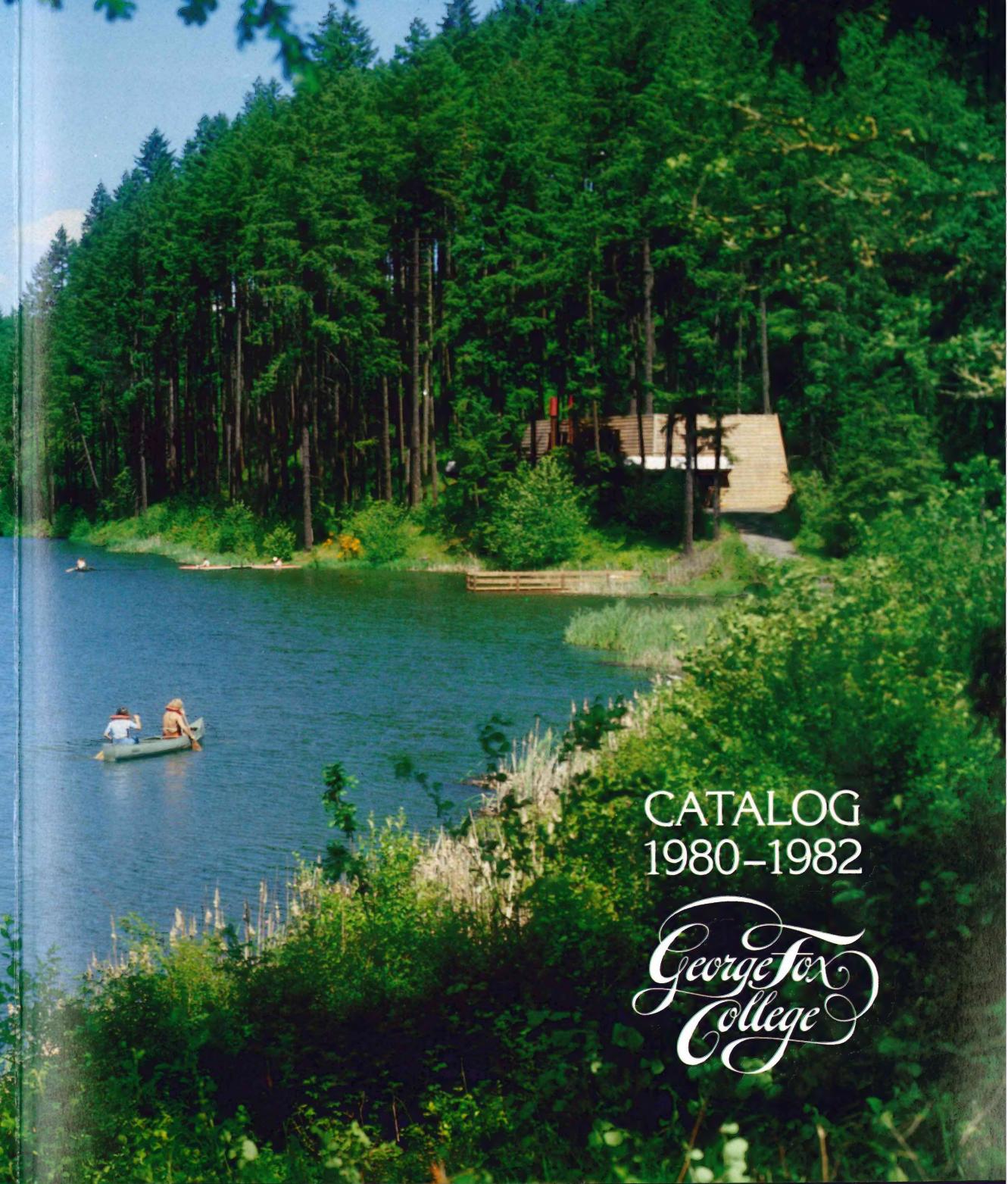




George Fox
College



CATALOG
1980-1982

George Fox
College



GEORGE FOX COLLEGE

CATALOG AND
ANNOUNCEMENTS
1980-1982

NEWBERG, OREGON



CALENDARS 1980-1982

SEPTEMBER 1980

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JULY 1982

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AUGUST 1981

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FEBRUARY 1982

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AUGUST 1982

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COLLEGE CALENDAR

SEPTEMBER TERM

	1980-81	1981-82
Faculty conferences	Sept. 8-11	Sept. 8-11
Miniterm experiences	Sept. 22-26	Sept. 21-25

FALL TERM

Residence halls open to new students, noon	Sept. 28	Sept. 27
New Students-Parents Convocation, 3:00 p.m.	Sept. 28	Sept. 27
New students sessions and registration	Sept. 28-Oct. 1	Sept. 27-30
Residence halls open to returning students, 2:00 p.m.	Sept. 30	Sept. 29
Final Registration of returning students	Oct. 1	Sept. 30
Classes begin, 8:00 a.m.	Oct. 2	Oct. 1
Late registration and change fee effective	Oct. 2	Oct. 1
Last day to begin classes	Oct. 9	Oct. 8
Last day to withdraw from classes	Nov. 19	Nov. 18
Thanksgiving vacation	Nov. 27-30	Nov. 26-29
Classes continue	Dec. 1	Nov. 30
Fall term classes end, 5:00 p.m.	Dec. 12	Dec. 11
Residence halls close, 11:00 a.m.	Dec. 13	Dec. 12

WINTER TERM

Residence halls open, 1:00 p.m.	Jan. 4	Jan. 3
Registration of new students, 8:00 a.m.	Jan. 5	Jan. 4
Classes begin, 8:00 a.m.	Jan. 5	Jan. 4
Late registration and change fee effective	Jan. 5	Jan. 4
Last day to begin classes	Jan. 12	Jan. 11
Last day to withdraw from classes	Feb. 20	Feb. 19
Classes end, 5:00 p.m.	Mar. 13	Mar. 12
Residence halls close, 11:00 a.m.	Mar. 14	Mar. 13

SPRING TERM

	1980-81	1981-82
Residence halls open, 1:00 p.m.	Mar. 22	Mar. 21
Registration of new students, 8:00 a.m.	Mar. 23	Mar. 22
Classes begin, 8:00 a.m.	Mar. 23	Mar. 22
Late registration and change fee effective	Mar. 23	Mar. 22
Last day to begin classes	Mar. 30	Mar. 29
Last day to withdraw from classes	May 8	May 7
Classes end, 5:00 p.m.	May 29	May 28
Baccalaureate, 10:30 a.m.	May 30	May 29
Commencement, 2:00 p.m.	May 30	May 29
Residence halls close, 5:00 p.m.	May 30	May 29

MEAL SERVICE: Fall Term—evening of September 28 (27) for new students, Sept. 30 (29) for returning students; Winter Term—evening of January 4 (3) to morning of March 14 (13); Spring Term—evening of March 22 (21) to noon of May 30 (29).

NOTICE: Rarely are changes made in a college calendar once published. However, the college reserves the right to change dates. Any significant changes will be sent to accepted students by April 1, or when they are admitted if after that date.



WHY A CHRISTIAN COLLEGE?

The answer to that question begins with the picture on the opposite page. Steel rods in concrete have been a familiar sight on campus as buildings have risen year by year. Concrete is reinforced for strength, durability, service, and quality construction.

Values are to education and learning what steel rods are to concrete. So often we equate knowledge with education; yet, knowledge needs the reinforcement and structural strength of values, just as concrete needs the steel bars. We make no apology for our Christian values. This is what the college is all about. We believe

that these values are the product of an education as well as the principles for the direction of learning.

Some may feel that religious commitment will preclude great scholarship. Our answer is that a closed mind, weak effort, and poor judgment, not religious commitment, produce inadequate scholarship. Others may feel that a willingness to face all questions and to evaluate all evidence, which higher education should do, may preclude spiritual stability. Our answer is that where one has delved deeply to arrive at real certitude, this very certitude readies one for open dialogue. A generous spirit and diligent research are not to be confused with a neutral position or lack of spiritual concern. The Quaker heritage of the college calls for an open spirit to truth and to all men, plus a convincement of the revelation of God through Christ.

In a day of hedging on absolutes, standards, values, and quality, we assert that the mark of a civilized, educated, and learning person is a willingness to seek for such, to arrive at some maturity in these areas, and so to live. We believe that an educated person is capable of the informed exercise of judgment, taste, and values. We believe that knowledge acquired must be set against the framework of Christian revelation.

We teach the behavioral sciences (psychology, sociology, business, education, etc.), but we teach that we must not only know what man is and does, but we must discover what man ought to be and do. We teach the humanities (literature, history, philosophy, music, etc.), but we teach that these not only reflect individuals, times, and cultures, but that they need to be measured by Christian values. We teach the natural sciences, mathematics, and the scientific method, but we teach that there

are no contradictions in the created order with the character and purposes of God.

In fact, as a Christian college, we believe that the basic knowing is that God is alive and is an intelligent, rational, and active God. A second knowing is His character, which then becomes the point of judgment, evaluation, and measurement for all else. A third affirmation is that God is a God of creativity and hope for the problems of life. His creativity lights our own creativity in all facets of human learning and endeavor. A fourth affirmation is that God gives purpose and meaning to all of life and it behooves us to find it, not only for ourselves but for our society.

The distinctives of a Christian higher education are not primarily in chapel, Bible classes, campus social regulations, and a church affiliation. The vitality and uniqueness are found in the nature of truth, the pursuit of truth, the integration of faith and learning, the relevance of a Christian world view, and the development of mature, Christian character. Primarily this is accomplished by the interaction of students and committed Christian teachers, plus learning resources developed for these objectives. You can get this kind of education only in a Christian college.

THE
COLLEGE



TEACHERS

How important is your choice of teachers? Charles Malik, former president of the United Nations General Assembly, urges, "Make sure of your teacher and forget about everything else." Elton Trueblood, a Quaker educator, observes, "It is easy to envisage a good college with poor buildings, but it is not possible to envisage a good college with poor teachers."

Experiences that truly educate are not produced simply by a quantity of courses arranged around a major field of study. Education has much more to do with quality interaction between teacher and learner, and with learning experiences that sharpen and shape the mind. In a sense, a student is enrolled in Professor Smith I or Professor Jones II and not in a course or subject. And, he or she must be turned on to that learning or it will never become a personal discovery and dimension of life.

Achievement in a field of study, the ability to teach, and personal commitments are key factors in selecting a professor for George Fox College. Faculty members have graduate degrees from major institutions across America, and over two thirds have earned a doctorate. But academic achievement is not the only criterion. Just as important are life experiences that support teaching and dedication to the purposes of this college, including a personal commitment to our Christian faith. Moral responsibility and value judgments are integral to all intellectual endeavors and, to the Christian college community, a reflection of the stewardship of life.

CAMPUS FACILITIES

George Fox College is located on a sixty-acre campus in a town of 10,000 a half-hour drive

from Portland, Oregon. Twenty buildings have been constructed or remodeled in the same number of years.

Brougher Hall, erected in 1947 and remodeled and enlarged in 1959 and 1961, contains physics laboratories and art classrooms.

Calder Center, built in 1964, is the combination of three hexagon modules providing eighteen classrooms, offices for science, mathematics, and home economics faculty, and a lecture hall that seats 165 persons.

Colcord Memorial Field contains an all-weather track and a soccer field. A new athletic field complex includes a baseball diamond, two softball fields, a hockey field, and an archery range.

Edwards Hall, constructed in 1964 and overlooking Hess Canyon, is a residence hall for women. It houses 104 students.

Heacock Commons, built in 1964-65 and enlarged in 1979, adjoins the Student Union Building and provides dining rooms, kitchen, coffee shop, and lounge.

The Herbert Hoover Academic Building, built in 1976-77, houses the Kershner Center for business and economics as well as a large lecture facility, classrooms, social science faculty offices, and the administrative offices of the dean, registrar, and admissions.

The Lewis Apartments provide housing for fifty upper division students in a total of sixteen units.

The Macy-Sutton-Hobson Complex, completed in 1977, is the largest residence facility on campus, housing a total of 202 students. A central lobby is shared by the three buildings. The buildings are connected by outside walkways and an underground tunnel.

Minthorn Hall is the only first-generation building yet in use. Completely remodeled and refurbished in 1962, it houses classrooms, faculty offices for teacher education and language arts, the reading lab, and an audiovisual center.

The Newlin Apartments, located on North Street, are four units available for use by sixteen upper division students.

Pennington Hall, built in 1962, is a coeducational dormitory for 100 students. It provides an infirmary, a guest room, a soundproof study room, a central lounge, game rooms, and a head resident's apartment.

The Ross Center, built in 1978, houses the Religion Division and music department, including classrooms, studios, practice rooms, music listening labs, and faculty offices.

Shambaugh Library, dedicated in 1962, houses approximately 60,000 volumes on three floors. Its features include study carrels, rare book collections, microfilm room, music listening room, soundproof typing room, museum, seminar room, art and record collections, and the curriculum library. Library loan facilities are available to all students to gain access to resource materials from other national, state, and college libraries.

Student Union, built in 1958 and enlarged in 1968 and 1979, includes a lounge, prayer room, snack area, bookstore, post office, TV room, game room, and offices for the student organizations.

The Television Center, completed in 1979, houses a color television production studio as well as offices and supporting facilities.

Tennis Courts, tournament type, were built in 1961.

Tilikum Retreat Center, located on ninety acres in the Chehalem Valley some eight



miles from campus, is a retreat, camping, and educational center. Students, church groups, families, and community organizations enjoy seventy-five acres of woods and meadows, a fifteen-acre lake, a lodge, and a barn for crafts and recreation. Through these facilities, the college is developing a curriculum in Christian camping and recreation.

Weesner Village consists of twelve apartments designed for use by upper division students.

The Coleman Wheeler Sports Center, completed in 1977, is the college's largest building. It contains the James and Lila Miller Gymnasium, featuring three basketball courts and seating for 2,500-3,000. The center also contains activity and weight rooms, handball courts, and physical education classrooms, and faculty offices.

The Winters Apartments, located on River Street, consist of nine units for use by thirty-six upper division students.

Wood-Mar Hall contains administrative offices, the chapel, the duplicating shop, the main campus post office, and computer facilities.

COLLEGE OBJECTIVES

In harmony with its philosophy of education, George Fox College has identified institutional objectives that provide academic, religious and moral, and social needs:

1. Teach all truth as God's truth, integrating all fields of learning around the person and work of Jesus Christ, bringing the divine revelations through sense, reason, and intuition to the confirming test of Scripture. "All scripture is inspired by God and profitable for teaching, for reproof, for correction, and for training in righteousness, that the

man of God may be complete, equipped for every good work." (2 Timothy 3:16-17)

2. Support academic programs that liberate the student for a life of purpose and fulfillment through an awareness of the resources of knowledge and culture available to him; maximize career-oriented education through counseling, curriculum, field experience, and placement.

3. Maintain a program of varied activities that directs the student to a commitment to Christ as Lord and Savior, encourages attitudes of reverence and devotion toward God, leads to recognition that the revealed commandments of God are the supreme criteria of the good life, enables the student to mirror the example of Christ in human relationships, develops a greater desire to serve mankind in a spirit of Christian love, and brings the student to a life of obedience to "the law of the Spirit of life in Christ Jesus" that will set him morally free (Romans 8:2).

4. Provide a center for Quaker leadership where faculty and students learn the history and Christian doctrines of the Friends movement and make contemporary applications of these insights.

5. Give leadership to evangelical Christianity generally, through scholarly publication, lecturing, and by evangelistic and prophetic proclamation and service.

6. Promote cocurricular activities that will emphasize the development of leadership, initiative, and teamwork by giving opportunity to make practical use of the skills and ideas acquired through academic courses.

7. Make itself a community in which studies and activities are made relevant to life, develop insight into social and political issues confronting mankind, and learn to participate democratically in decision making and policy implementing as responsible citizens.

8. Serve as a cultural center for all publics of the college and sponsor programs that are informative and culturally stimulating to the larger college community.

PURPOSES AND OUTCOMES

In any enterprise involving students of varied preparedness, motivation, and discipline, there will be differences in outcomes. Education is realistic and idealistic. It reaches beyond the average, the assured, and the guaranteed. College objectives, indeed the entire catalog, can only be seen as sincere intention to provide a quality educational program for those who wish to profit from this particular college. Accountability to students is fulfilled by providing qualified teachers, a community with Christian values, and the historical continuity of a Quaker college. The opportunity for personal growth and development is here.

Nevertheless, students are advised that the burden is on them, not the college, to achieve and gain maximum benefits from the college's educational programs and offerings. It is, in the final analysis, the student's responsibility, not the college's, to become educated.

CHURCH RELATIONS

Early Quaker settlers in the Willamette Valley of western Oregon founded Pacific Academy at Newberg in 1885. Six years later in 1891 more advanced education was provided by the establishment of Pacific College. Pacific Academy was discontinued in 1930, and Pacific College was renamed George Fox College in 1949, honoring the founder of Quakerism.

The college is governed by a Board of Trustees elected by Northwest Yearly Meeting of Friends Church, which has historically emphasized the necessity of a genuinely experiential religious faith, the spiritual nature of the ordinances, the importance of peacemaking and responsible social action, and the





freedom for individuals to exercise liberty of conscience. With other Christians, the college holds the great historic truths of Christianity, including the deity of Jesus Christ, the authority and inspiration of the Holy Scriptures, the necessity of salvation for man, and the present ministry of the Holy Spirit.

Denominations other than Friends support George Fox College. Denominations represented with enrollment of ten or more students include Evangelical Church of North America, Baptist, Free Methodist, Nazarene, Presbyterian, Disciples of Christ, Mennonite, United Methodist, Assemblies of God, and Christian and Missionary Alliance.

ACCREDITATION AND MEMBERSHIP

George Fox College is accredited by the Northwest Association of Secondary and Higher Schools and by the Oregon Teacher Standards and Practices Commission for the preparation of secondary teachers in specific fields. It is approved by the Oregon State System of Higher Education for the training of elementary teachers in conjunction with the Oregon College of Education and others in a joint-degree program, by the Federal Government and the State of Oregon for the education of veterans, by the United States Attorney General for the admission of alien students, and by the American Association of University Women.

The college holds memberships in the Christian College Consortium, the College Scholarship Service, the Council for the Advancement of Small Colleges, the Friends Council on Education, the National Association of Evangelicals, the Northwest Association of Private Colleges and Universities, and the Oregon Independent College Association and Foundation.

CONSORTIA

The college is associated with twelve other regionally accredited colleges in the Christian College Consortium. The consortium promotes these objectives: "articulation of the unique contributions that dynamic Christian higher education can make to contemporary society; development of cooperative institutional programs for faculties, students, and administrators; encouragement of research and study among evangelical scholars on the integration of the Christian faith and academic learning; increase of educational and development opportunities for students from evangelical Christian colleges; design of research activities to evaluate educational programs; promotion of activities to improve the management and efficiency of member institutions; and expansion of financial and educational resources available to evangelical Christian colleges."

Other members of the consortium are: Asbury College, Wilmore, Kentucky; Bethel College, St. Paul, Minnesota; Gordon College, Wenham, Massachusetts; Greenville College, Greenville, Illinois; Houghton College, Houghton, New York; Malone College, Canton, Ohio; Messiah College, Grantham, Pennsylvania; Seattle Pacific University, Seattle, Washington; Taylor University, Upland, Indiana; Trinity College, Deerfield, Illinois; Westmont College, Santa Barbara, California; and Wheaton College, Wheaton, Illinois.

Locally, the college is associated with a bibliographic center that makes the holdings of a number of small college libraries available to each campus, virtually on a daily basis.

Although not technically a consortium, benefits come to the college through the Council for the Advancement of Small Col-

leges, "a national, voluntary association dedicated to the promotion and advancement of small, independent private colleges of liberal arts and sciences in their historic and vital contribution to ethical, moral, and spiritual values."

COMPLIANCE WITH FEDERAL LAWS AND REGULATIONS

The college does not discriminate on the basis of age, sex, race, color, national origin, or handicap in its educational programs or activities, including employment, and is required by federal law not to discriminate in such areas. The college also is in compliance with the Family Education and Privacy Act of 1974.

The following offices may be contacted for information regarding compliance with legislation: The Civil Rights Act of 1964—Dean of Students; Title 9 (Nondiscrimination on Basis of Sex)—Dean of Students; Rehabilitation Act of 1973—Registrar; Family Educational Rights and Privacy Act of 1974—Dean of Students; Student Consumer Information—Dean of the College and/or Financial Aid; Veterans' Benefits—Registrar; Immigration and Nationality Act—Registrar; Age Discrimination—Dean of Students; Wage and Hour Regulations—Business Manager.

ACADEMIC PROGRAM



Castles and Foundations

College President David Le Shana likes to quote these words from Henry David Thoreau:

"If you have built castles in the air,
your work need not be lost for
that is where they should be.
Now, put foundations under them."

The entire college program is the context within which you dream your dreams and work at your foundations. In the academic program, you select one of some twenty majors to pursue one of two degrees, the Bachelor of Arts or the Bachelor of Science. Your course of study will include three basic components: general education, the major field, and supporting and/or elective courses. This chapter attempts to indicate options open to you.

General Education

General education is sometimes called a core curriculum or general studies. It is that part of the college experience required of all graduates (although options may be permitted within the programs) that gives them a common heritage or shared learning.

It is in the general education program that the distinctives of a college are most readily seen, for through these courses the college hopes to realize its unique contribution to the individual, higher education, and society.

GENERAL EDUCATION REQUIREMENTS

Total: 69 hours

Certain lower and upper division courses in general education are required of all students. The specified courses and the prescribed options listed below provide knowledge and skills in support of cultural perspectives and

major programs. A course may not be used to fulfill requirements in two general education areas, nor may the hours be counted to fulfill both general education and hours in the major field. As some majors have specified the options stated below, the student should check the "Major Requirements" described for his selected major.

Sources of the Common Life 33 hours

- A. The Biblical Legacy (One of the following required of freshmen through placement.) Literature of the Bible (GE 101, 102, 103) or lower division Bible electives. 9 hours
- B. The Cultural Legacy
 - 1. Fine Arts:
Survey of Art (GE 120) and Survey of Music (GE 110) 4 hours
It is recommended that students be involved in the applied fine arts as their schedule allows, in addition to the above.
 - 2. Humanities and Sciences 20 hours
Choose four to eight hours from each of the following groups for a total of twenty hours:
 - a. Literature:
The English Literary Heritage (Lit 201, 202)
Major Themes in Literature (Lit 240)
Masterpieces of World Literature (Lit 251, 252)
The American Literary Heritage (Lit 311, 312)
(Combinations of the above, as well as Lit 285/485, also may be used.)
 - b. History:
Civilizations (Hst 101, 102)
U.S. History (Hst 201, 202)
England (Hst 331, 332)
American Economic and Social History (Hst 381, 382)
American Thought and Culture (Hst 471, 472)
 - c. Natural Science:
Foundations of Physical Science (GSc 102, 103)
Essentials of Geology (GSc 110/310), Air and Water Environment (Meteorology) (GSc 120/320), Essentials of Astronomy (GSc 130/330)
General Biology (Bi 101, 102, 103)
General Chemistry (Ch 111, 112, 113)
General Physics (Ph 201, 202, 203)

Modes of Communication **16 hours**

- A. Writing and Communication Arts 8 hours
The Effective Writer (Wr 111) and an elective from CA 110, 111, 120, 200, 220, 221, 230.
- B. Symbolics and Tools 8 hours
Select from:
 - 1. Foreign Language
 - 2. Music Theory (required for music and music education), Mus 121, 122, or 123
 - 3. Critical Thinking and Decision Making (GE 100)
Introduction to Computers (Mth 120)
Statistical Procedures (Mth 240, Psy 340)
Computer Programming (Mth 210, 220)
 - 4. Mathematics
Calculus (Mth 121, 122, 123)
(Elementary Ed students may elect Math for Elementary Teachers Mth 111, 112, 113)

Patterns of Interpretation **20 hours**

- A. Physical Education activities and/or Health Education (See pages 71 and 72) 6 hours
- B. Systems of Interpretation (Choose two of the following, exclusive of major area.) 8 hours
 1. General Psychology (Psy 201)
 2. Introduction to Philosophy (Phl 210)
 3. Introduction to Economics (Eco 150)
 4. Principles of Sociology (Soc 201)
- C. Religion 6 hours
 1. Contemporary Religious Thought (R 490), or Christian Beliefs (R 380), required of all graduates.
 2. History and Doctrine of Friends (R 360), required of all Friends students, 3 hours. Upper division religion or Bible elective required of all other students. Courses marked with asterisks will satisfy General Education religion requirements.
 3. Transfer students with junior standing who have not taken Literature of the Bible or equivalent are required to take an additional three- or four-hour Bible class at the 200-400 level in addition to the six hours listed above.

Special Considerations

1. Electives may be substituted for general education courses waived by examination.
2. Students in joint-degree programs of elementary education may waive the upper division religion requirement if the lower division requirement has been fulfilled.
3. Although instruction in German and French is not provided, the student entering with a background in either equal to the college-level second year may

through examination complete a portion of the general education requirement. Language tapes are available for use in the Foreign Language Laboratory.

MAJORS AND DIVISIONS

George Fox College confers two degrees: the Bachelor of Arts and the Bachelor of Science. The curriculum beyond general education is described graphically at right. Included are more than twenty majors or concentration areas organized within six academic divisions. For greater detail, turn to the catalog chapter for the division of your interest. Teaching field requirements may be found with Division One, Education.

Selection of Major

One of three tracks may be selected for a major:

1. An established major with requirements stated in the division chapter.
2. An interdisciplinary major composed of 36-18-9-9 hours or 36-18-18 hours, a few of which are described in the catalog, or similar patterns to be approved by the two primary division chairmen and the registrar.
3. The liberal arts major, a contract major of 24-24-24 hours, to be approved by the advisor, primary chairman, and the registrar and described on the next page.

Admission to a Major

Admission to the college does not imply automatic admission to teacher education or to a particular major, such as music. Each student selects a major in conference with a faculty advisor, normally during the course of the sophomore year.

The selection of a major does not assure the receipt of a college degree from George

FIELDS OF STUDY	Subject Majors		Secondary Teaching Majors Minors		Supporting Programs
	B.A.	B.S.	Secondary Teaching Majors	Minors	
Division I: Education Secondary Education Elementary Education Physical Education Health	x	x x x	x x	x x	
Division II: Fine Arts Art Music	x		x	x	x
Division III: Language Arts Communication Arts Greek Language Arts Literature Spanish Writing-Literature	x x x		x x	x x	x x
Division IV: Natural Science Biology Chemistry Home Economics Mathematics Physical Science- General Science Physics		x x x x	x x x	x x	x
Division V: Religion Bible Christian Ministries Philosophy Religion	x x				x x
Division VI: Social Science Economics and Business Geography History Political Science Psychology Social Services Social Studies Sociology	x x x x x	x x x x			x x
Interdisciplinary: Liberal Arts Music-Religion Physical Education- Religion Home Economics- Business or Social Services Science-Business	x x x	x x x			

Fox College. Successful completion of general education, major requirements, elective hours, and any additional requirements stipulated in specific programs must be attained before graduation and recommendation for certification.

Interdisciplinary Majors

The traditional tracks for majors and minors have given way in a multifaceted world of careers to personalized majors. Several divisions have established cross-disciplinary majors, which are described at the beginning of the division chapters.

If these prove inadequate to the needs of a student, he may propose an arrangement of meaningful experiences under a liberal arts major. This cross-disciplinary major consists of a minimum of seventy-two hours with twenty-four hours from each of the three fields related to the student's objectives. Of these hours, forty-five must be upper division hours with fifteen in each field, as determined by contract. The student must complete a contract form signed by the advisor, the registrar, and the division chairman most closely related to his professional objectives.

Examples of programs for students who may be served by the liberal arts major are:

1. Economics, political science, and history for a prelaw student.
2. History, literature, and communication arts for a writer.
3. American literature, American history, and political science or economics for an American studies major.
4. Business, communication arts, and Christian education for a Christian publications career.

5. Combinations of religion, Bible, and Christian education with physical education, music, psychology, sociology, etc. for contemporary church vocations.

COURSE CHALLENGE PROGRAMS

Your program may prove more exciting and meaningful and be shortened through one of the Course Challenge Programs.

Advanced Placement

College credit or advanced placement is possible in several subject areas for the student who completes a college-level course in high school and receives a score of three under the Advanced Placement Program sponsored by the College Entrance Examination Board. Any student requesting advanced placement with or without credit must do so through the registrar before the end of the first term in attendance. Recorded credit is \$10 per hour.

Course Challenge Examination

Through examination, a student may challenge the content of a required or prerequisite course and demonstrate readiness for advanced work. A release from the requirement is obtained upon paying an examination fee of \$25 and making a satisfactory score. No credit is given, but one may enrich the total program in the major field or in electives.

Credit by Examination

A student may accelerate his educational goals by taking the subject area examinations or the General Examinations offered through the College Level Examination Program (CLEP).

A maximum of ninety-six quarter hours may be earned through credit-by-exami-

nation. The college approves the courses, prerequisites, and minimum grades acceptable for credit. See the registrar for details.

The examination fee is \$25, and recorded credit is \$10 per hour.

Proficiency Test

A student may register for advanced courses in language, music, Bible, and certain other courses by passing a proficiency test in the area involved. The proficiency tests are usually a part of college orientation, and no special fees are charged.

A student from a non-English speaking nation may fulfill the language requirement by demonstrating proficiency in the English language.

INTENSIFIED STUDIES PROGRAM

The Intensified Studies Program offers to a select number of students an opportunity to seek knowledge more freely and responsibly through a special honors colloquium and through significant projects of independent research. Students with a GPA of 3.25 or better (or any other students by special petition) may apply for participation in the Honors Colloquium, Philosophy 271, 272, 273, with applicants subject to approval by a faculty committee. Benson Scholars automatically participate in the program.

Students from the colloquium desiring to do independent study may submit a study plan in consultation with a faculty advisor and approved by the division chairman. Students whose programs are approved shall register for three hours of credit each term (under the

495 or other appropriate course numbering) for research in the Intensified Studies project. Projects that are completed according to the standards of the Intensified Studies Program will be evaluated by the major professor and the director of the program and awarded credit totaling from nine to fifteen quarter hours. Projects failing to meet acceptable standards shall be noted on the transcript as research but not designated Intensified Studies.

Limited scholarship aid is available, depending partially upon need. A special research grant is awarded to each approved program.

INDIVIDUALIZED LEARNING

Obviously the Course Challenge Programs and the Intensified Studies Program just described are forms of individualized learning. Another form is programmed instruction. A special lab provides self-teaching machines (Slide-Sponder and Sound-Sponder) developed by a George Fox professor. This locally produced instruction using slides and cassette tapes is featured wholly or partially in eleven courses: Freshman Chemistry, General Physics, Earth Sciences, Principles of Sociology, State and Local Government, Basic Spanish, Fundamentals of Music Theory, Literature of the Bible, English Literature, Art, and Calculus.

Travel courses are offered periodically. Classes have gone to Europe, Asia, Africa, and areas of the U.S. Campus visitors from many lands are featured each year, and these comprise a valuable learning resource as students make the effort to meet and discourse with these visitors.

FIELD EDUCATION

This program, commonly referred to as "field experience," "internship," or "other cultural experience," usually takes place off campus, yet is an integral part of the student's academic experience. Its purpose is to enhance optimum individual adjustment toward personal and career development by means of integrating classroom study with planned and supervised practical experience in vocational, educational, or cultural activities outside of the academic environment.

Enrollment in field education is an elective (option) in certain divisions and a requirement in others. Refer to each major program to determine how it applies.

Two main types of off-campus experience are available: career and cultural. The career-oriented field experience focuses on two levels, which are "exploratory" (-275) and "preparatory" (-475). These two levels provide opportunity for initial exposure to a career-interest area and for a realistic preparation toward a chosen field. The culture-oriented field experience (GE 375) is designed to allow participation in a different environmental setting, e.g., foreign country, ghetto, rural community.

Academic credit may be earned through participation in an approved field education program. A full-time student may generate up to fifteen credit hours during one term. Part-time involvement can generate credit at the same rate as other methods of learning. Twenty-five to thirty clock hours per term are required for one hour of credit. A maximum of thirty hours may be accumulated in field education between numbers 275, 375, and 475. Twenty hours are allowed between the career-oriented options, 275 and 475. Nor-

mally, the three alternatives are broken down as follows:

- 275 2 to 5 credit hours
- GE 375 2 to 15 credit hours
- 475 2 to 15 credit hours

Applications for field experience should be requested through the Field Education Office in the dean's complex. Request forms must be completed, approved by the division, and submitted to the registrar for enrollment. The vital link to a successful field experience is the faculty sponsor (supervisor) with whom the Learning Contract/Agreement is developed and carried out. The program also necessitates a field supervisor at the location of service or employment, with whom the faculty sponsor and student interrelate.

Evaluation of the field experience is based upon successful completion of the stated individualized objectives. Field experience may be pass or no pass at division option, or in absence of division policy, at the student's option.

SEPTEMBER MINITERM

A one-week short term is conducted each September prior to the opening of the fall term. This is a flexible, imaginative week through which the entire campus is involved in a concentrated study of a major problem. Past miniterms have included "The Black Experience," "The Continuing American Revolution," "Futures," "How Should We Then Live?" "Biblical Views of Creation," and "Oregon Adventures." Attendance is optional and expenses are minimal.

SUMMER SCHOOL

In recent years George Fox College has not sponsored regular classes for a summer school. Students have been encouraged to use

the summer for work, travel, and cocurricular activities that add to life's dimensions in learning and living.

Independent study and research are available for the summer under curriculum numbers 295 and 495. This may be in the nature of a research project, primarily of a reading nature, with a written report or with variables. Applied learning experiences in practical situations under supervision (field education) are available through courses numbered 475. Obviously, one must be eligible for this number and experience.

The registrar will provide an application form. The division chairman of the major field will provide needed guidance, including the approval of the study and the assignment of a teacher-supervisor. The completed form should then be forwarded to the Dean's Office. The student should clearly present the purposes of the study, the development expected, resources available, a timetable of work, and method of evaluation.

Twenty-five to thirty hours of work are expected for each hour of credit. One may not exceed sixteen (16) hours of academic credit. Courses that may be taken in next year's schedule will not be approved for independent study. Tuition for summer credit is charged at the current year's rate, not the guaranteed rate.

CCC PROGRAMS

The Christian College Consortium, described in the first chapter, sponsors a student visitors program, which is intended as an enrichment to those disciplines where personnel and courses may be somewhat limited. Normally this one-term experience should be part of the junior year or the first term of the senior year. Application forms and a descriptive brochure are available in the Dean's Office.

The program permits a student in good standing to enroll for one term or a miniterm at one of the other colleges. Qualifying students must have at least a 2.50 GPA and have completed prior to application one or more terms free of academic or citizenship probation, including chapel probation. A limit of five students per term may be approved for this program, unless a larger number enter here from other schools.

The American Studies Program was created to provide work-study opportunities for diverse majors and personal interests in Washington, D.C. The program is based on the idea of integrating faith and learning through both a real-life work experience and a study program. Students, therefore, spend their time in Washington serving as interns, participating in an academic seminar program, and living in a small Christian community that is designed to penetrate the larger Washington, D.C., metropolitan area.

Students are able to study in Washington, D.C., for periods of two, three, or four months, beginning the first of any month. The program runs from September through May of each year and is not in operation during the summer months. The content is intended for those in the junior year. Brochures are available in the dean's office.

Travel courses are available through the CCC schools, plus some inner-city and foreign experiences. These change each year.

PREPROFESSIONAL PROGRAMS

George Fox College provides four-year preprofessional training for students wishing to enter professional schools of medicine, dentistry, medical technology, veterinary science, law, and religion. Students who wish

to study nursing or physical therapy may complete course work at George Fox that will satisfy the entrance requirements for these schools. Degree nursing programs require one or two years of preprofessional training; physical therapy requires two or three.

Students interested in such fields will be assigned advisors who will assist them in planning a program that will best prepare them for pursuing their educational goals. To assure that the courses taken at George Fox will satisfy all requirements, a student should also request a catalog from the professional school he or she wishes to attend.

Admission to some professional schools—particularly those in the medical field—is highly selective. Nevertheless, recent graduates have established the fact that academic preparation at George Fox provides a solid foundation for continued study in even the most competitive fields. Advisors at George Fox may recommend a student consider alternative career possibilities in case it is not possible to pursue the program he or she had chosen.

INDEPENDENT STUDY COURSES FOR TEACHERS

This program of independent study courses in mathematics, language arts, and physical science is designed for the in-service teacher who is seeking new ways to improve instruction, and who appreciates the freedom, flexibility, and practicality of independent study. The renewed interest in teaching the basic skills in mathematics and language arts by means of concrete, hands-on materials makes these courses especially timely. The need to prepare students for living by developing consumer math skills is handled by grade levels and deals with true-to-life situations.

The materials provided with each course are classroom ready, highly motivating, and educationally sound in development. They complement any ongoing program, meeting the needs of the low achiever and challenging the highly motivated student.

Registration for these courses may occur at any time during the year. Cassette tapes provide the concepts and application suggestions for the teacher for the classroom use. Purposes and goals desired are determined. The teacher then uses the materials with the students, keeping a log that analyzes and evaluates each activity. This classroom log is submitted for evaluation at the end of the course. One all-day seminar-workshop is held reasonably close to the teacher's home midway through the course.

Academic credit from the courses has been approved by the Teacher Standards and Practices Commission toward Basic Mathematics (combined) Endorsement for Certification. Elementary and secondary teachers seeking to add a Pre-algebra/General Mathematics endorsement to their Basic or Standard Teaching Certificates may also use twelve hours credit from these courses as part of their program. Approval for the planned program leading to endorsement by George Fox College must be secured through the director of the independent study program prior to beginning the courses.

A teaching mathematics minor as outlined under Division IV may also include twelve hours of independent study courses.

Reference should be made to Division I for a description of the education courses and to Division IV for the mathematics courses.

TILIKUM RETREAT CENTER

An emphasis in Christian camping is now developing through the facilities of college-

owned Tilikum, a center for retreats and outdoor ministries. The combined strengths of the faculty in physical education, home economics, Christian ministries, and more are coming together in a program for preparing camp leaders.

Tilikum features a year-round program of retreats with a wide appeal to all ages and denominations. Some 600 children enjoy the summer camping program. College students have opportunities for study, recreation, and personal renewal.

The Tilikum staff provides the following kinds of retreat experiences: (1) relational—family groups, men, women, couples, teens, and single parents—with a goal of strengthening the entire family unit; (2) planning and retooling for local churches—biblical goals in today's society; (3) Christian response to a troubled world—hunger, oppression, conformity to world standards, a search for biblical models for life-style and stewardship; (4) college student retreats emphasizing spiritual growth.

TELEVISION CENTER

Educational videocassettes are the primary purpose of the campus Television Center. A wide range of subjects is planned that would be of value to colleges, business and industry, churches, and in home study. This form of continuing education is expected to reach alumni scattered to many areas, younger and older adults restricted by job and family obligations, handicapped persons confined to location and others with in-service needs.

ACADEMIC REGULATIONS



ACADEMIC SESSIONS AND CREDITS

The college year at George Fox College is divided into three terms of ten weeks each, plus New Student Days and registration. In addition, George Fox sponsors a summer program and a miniterm in September.

The unit of credit is the quarter hour, which is normally granted for the satisfactory completion of a course meeting one period (50 minutes) per week for one term. Credit for all courses is indicated in quarter hours. All student requirements, advancements, and classifications are based on these units.

GUARANTEES AND RESERVATIONS

College policy guarantees that the student may graduate under the general education requirements stated in the catalog at the time of entry, provided attendance is continuous and full time. Likewise, a student may graduate under the major requirements in force at the time of admission to a major field, provided attendance is continuous and full time.

Two exceptions may be noted: (1) In the event of a change in requirements in general education or in a major field, the student may elect to fulfill the requirements of a revised program, provided attendance has been continuous and full time; (2) the college may face a situation beyond control and foresight that may necessitate a revision in available courses. In such situations, the interests of the student will be protected.

The college reserves the right to withdraw courses with insufficient enrollment, add courses for which there is demand, upgrade programs, revise teaching and time assignments, regulate class size, adjust administra-

tive procedures, and determine levels of competence of students and prerequisites for admission to classes and programs.

ATTENDANCE

The responsibility rests with the student to maintain good standards involving satisfactory scholarship. Regular class attendance is expected of each student in all courses. Work lost because of absence may be made up only in the case of prolonged or confining illness, death of relatives, or similar emergencies. Permission for absences from class for participation in cocurricular college activities must be granted by the dean of the college. Illness is excused by the Health Center, and other absences are between the student and his instructors.

The college calendar provides the contractual instructional dates for teachers and students. Students are expected to attend classes through the last day of each term unless illness or an emergency situation exists. Advanced permission must be obtained from the dean of the college before leaving early may be permitted, and then from each instructor so that work may be completed.

CLASSIFICATION OF STUDENTS

Classification is based upon the student's academic standing in terms of hours and grade points at the beginning of the term. New students will be classified as regular or provisional students when entrance requirements have been met and official transcripts have been received and evaluated.

Regular Students

Students who have satisfied entrance requirements and are following a program lead-

ing to a degree are called regular students. They are classified as follows:

Freshmen: Students who have completed fewer than 45 quarter hours

Sophomores: Students who have completed 45 quarter hours

Juniors: Students who have completed 90 quarter hours

Seniors: Students who have completed 135 quarter hours

Special Students

This classification includes degree and nondegree students generally enrolled for less than twelve quarter hours. Any special student wishing to enter a degree program must fulfill regular admissions requirements. College housing may be limited to those enrolled for a full load.

Provisional Students

Students whose cumulative GPA falls below 2.00 will be classified as provisional students. Provisional students are urged to utilize available resources and remedial facilities to remove their academic deficiencies. For continuance past one term, the student must have raised his GPA to the minimum requirement or at least have made sufficient progress for continuance on a provisional basis.

If a student is given academic suspension, he may apply for readmission after one or more terms have elapsed. If readmitted, the student will reenter provisionally.

Auditors

Subject to instructor approval, any regular or special student may audit courses from which he wishes to derive benefit without fulfilling credit requirements. This must be establish-

ed with the registrar at time of registration. Class attendance standards are to be met.

Full-time Student

A full-time student is one who is enrolled for a minimum of twelve hours in a standard term.

REGISTRATION

All students are expected to register on the days designated on the college calendar and to begin classes on the first day. The registrar publishes a class schedule booklet annually with specifics for registration.

Academic Advising

Each student is assigned an advisor for initial registration. This advisor may be changed by request as a student forms natural lines of helpfulness and acquaintance. Various teachers and administrators may serve as resource persons in guidance and counseling.

It is the responsibility of the student to become familiar with policies and procedures outlined in the catalog. For example, most upper level courses are offered in alternate years, but this should be no problem if there is advance planning. Advisors will aid as requested, but the student must be responsible for his own program.

Academic Load

The student's load will be determined in conference with his advisor. Fifteen or sixteen hours per term is a normal college load. Ordinarily, the first term freshman will register for no more than sixteen quarter hours. Provisional students will be limited to fourteen or fifteen hours. No student may enroll for more than twenty hours, except by special permission of the faculty advisor and the registrar.

The following is suggested as a satisfactory relationship between the student's academic load and his on- or off-campus work:

Work	Academic Load
Not more than 18 hours	15-17 quarter hours
Not more than 24 hours	12-14 quarter hours
Not more than 30 hours	10-12 quarter hours

Course Additions

1. After classes begin, a later admission to class must have the approval of the registrar and consent of the instructor involved on a form available in the Registrar's Office. There is a fee of \$5 for a change of registration beginning on the first day of classes, plus the tuition involved.

2. The last day to add courses or to exercise a pass-no pass option is established in the calendar at the front of this catalog.

Course Withdrawals

1. A student wishing to drop or withdraw from a class or from the college must secure the proper form from the Registrar's Office. Unless this is done, an "F" will be recorded for all courses involved. There is a fee of \$5 for a change of registration, except for complete withdrawal from the college.

2. Withdrawal from a course (with a "W") must be completed within the first seven weeks of the term. Beyond this date, a petition to the dean is required, and cause (emergency conditions) must be established. See calendar at front of catalog.

THE GRADING SYSTEM

Term grades are determined by the instructor's evaluation of the student's daily participation in class, his performance on periodic tests, his work on term papers and class projects, and his achievement on final ex-

aminations. Grade points are assigned for each quarter hour of credit earned according to the following system:

Letter Grade	Meaning	Points Per Quarter Hour
A	Superior	4
B	Good	3
C	Average	2
D	Passing but inferior	1
F	Failing	0
I	Incomplete	0
W	Official withdrawal	0
P	Pass (average or above)	0
NP	Not passing	0
L	Long-term	0

The grade "I" is allowed if a student incurs illness or unpreventable and unforeseeable intervention in ability to meet course requirements on time. Request for an "I" grade is initiated with and approved by the dean of students. A contract showing the work to be completed and the completion date is prepared in consultation with the instructor and filed with the registrar. Work not completed within the first four weeks of the next term or by the contracted date of completion will become an "F" grade.

An "L" grade designates satisfactory progress in a course whose objectives continue for more than one term. The "L" will be replaced by either a "P" grade or a point-receiving grade. This is not an incomplete or "I" grade.

A student may repeat a course in which the grade of "D", "F", "W", or "I" is received, but the first grade remains on the record. The cumulative GPA is computed on the last grade achieved.

Pass-No Pass Policy

A student with a cumulative GPA of 2.00 or better and who has completed 90 quarter

hours may elect one course per term from an elective or general education course on a pass-no pass basis. An application form must be filed with the registrar no later than the published deadline for adding a course.

The teacher submits a regular grade to the registrar, who converts the regular grade of "C" or above into pass. A grade below "C" becomes a no pass and the course must be repeated on a satisfactory level to receive credit.

Courses that are offered only on a pass-no pass basis are field experience (e.g. 275/475), Writing 96 (English Clinic), the Miniterm, Intensified Studies (sophomore and junior levels), CA 165/365 Inter-Mission: Drama Touring Group, and Student Teaching.

Field experience may be pass or no pass at division option, or in absence of division policy, at the student's option. All other courses in the college receive grades.

ACADEMIC PROGRESS AND ELIGIBILITY

All students on regular or provisional status are considered to be making reasonable academic progress. The student's term grades with a term GPA and a new, cumulative GPA are posted on the grade report that is given to the student within two weeks of the end of each term.

To be eligible for student government positions, a student must maintain a GPA of 2.25 or better. To be eligible for inter-collegiate athletics, the standards of the NAIA and AIAW must be met.

Whenever the GPA for a given term is below 2.00, a student receives a warning and is encouraged to contact the academic advisor, who will assist in the development of improved study plans and encourage better use of reading and library skills.



Provisional students may not enroll for more than fourteen or fifteen hours and must have included in their program at least one term of WR 95 English Skills. At the completion of each term the Academic Standing Review Committee considers each provisional student's achievement to determine if sufficient progress is being made for continuance of provisional status past one term. Usually beginning freshmen are allowed two or three terms of academic experience before suspension or dismissal is administered. A student placed on provisional status may continue to receive financial aid.

A student not achieving reasonable progress as determined by the Academic Standing Review Committee may be given academic suspension. After one or more terms have elapsed, the student may apply for readmission, and if admitted, reenters provisionally. The Academic Standing Review Committee may recommend academic dismissal. Such students may not apply for readmission at this college.

The college may suspend or dismiss any student who fails to earn the GPA of at least 1.00 during a term, regardless of classification or number of hours completed, or any student who becomes so indifferent or incompetent that he no longer benefits himself or the college community.

GRADUATION REQUIREMENTS

A student wishing to receive a Bachelor of Arts or a Bachelor of Science degree must meet the following requirements:

1. Accumulate at least 189 quarter hours with a minimum grade point average of 2.00.
2. Accumulate at least 63 upper division quarter hours (courses numbered 300 or above).

3. Complete the general education requirements.
4. Complete a major in a chosen area with no grade below a "C" in upper division courses.
5. Complete at least 45 quarter hours in residency. Two terms must be in senior year.
6. Complete at least 12 hours of one's major in residency.
7. File an *Intent to Graduate* form three terms or 42 quarter hours before anticipated graduation.
8. File an *Application for Graduation* form not later than completion of 160 quarter hours toward graduation (normally winter term before expected graduation in spring term, or equivalent time period).
9. File credentials with the placement office.
10. Pay in full his account at the business office.
11. One may participate in the Commencement ceremony, if all but six hours of requirements are completed in the spring term, and if a program for the completion of those hours by the end of the following summer has been approved by the registrar.

Second Degree

The following requirements provide for a second or concurrent degree. A student must:

1. Complete a minimum of 45 quarter hours for the "second" degree above the minimum 189 quarter hours required for the "first" degree;
2. Meet the general education requirements for each degree;
3. Be in attendance the last three terms or 45 quarter hours preceding the awarding of the "second" degree;

4. Pay an additional \$15 graduation fee if participating in one ceremony; otherwise pay an additional \$30 graduation fee for the "second" degree.

Joint Degree-Elementary Teaching Major

A student who is admitted to the elementary teacher education program and has completed satisfactorily the approved course of study at George Fox College may transfer to Oregon College of Education at Monmouth, Oregon, for the senior year. A similar program exists with Linfield College, and a student may work out a satisfactory senior year with another institution with an approved elementary education program. With the completion of the approved senior year, the student will receive a bachelor's degree in elementary education and be recommended to the Oregon Board of Education for the Basic Teaching Certificate.

There is a charge of \$10 per term for joint registration and a graduation fee of \$30. A bachelor's degree in elementary education is recorded on the student's record, and the student is considered to be a graduate of George Fox College.

Graduation Honors

Summa cum laude is awarded to students with a cumulative grade point average of 3.90, *magna cum laude* to those with a 3.70, and a *cum laude* to those with a 3.50. These honors are based on total work completed prior to graduation. Transfer students must have completed at least 90 quarter hours at George Fox College to be eligible for honors at graduation.

FEDERAL LAWS AND REGULATIONS

The Office of the Registrar coordinates the efforts of the institution to meet the require-

ments of the Rehabilitation Act of 1973 (Policies on Nondiscrimination on the basis of handicap in regard to admission or employment, and access to programs or activities). Questions concerning the application of the Immigration and Nationality Act to George Fox College programs should also be directed to the Registrar's Office.

STUDENT LIFE

VOTE NOFENZIGENHIMER STUDENT
BODY PRESIDENT



A real bonus for each student in a small college is the opportunity to be somebody and to get personally involved. Student activities serve this function and acknowledge that all meaningful learning is not in the classroom nor formal in nature. Another bonus is the opportunity to know helpful people so that when needs arise they may be met. The services described in this chapter are for the purpose of serving each individual as well as the group.

STUDENT ACTIVITIES AND ORGANIZATIONS

Student organizations provide opportunity for the development of leadership qualities and interpersonal relationships. These are designed to supplement classroom work with practical experience and to provide wholesome and profitable recreation. Many activities are available including campus government, athletics, music, drama, publications, social and religious organizations, and various special interest groups. Each student is encouraged to participate in the area of his interest.

Government

The Associated Student Community of George Fox College (ASCGFC) is an organization of all students. The ASCGFC has eight standing committees (Activities, Cultural Events, Student Union, Christian Emphasis, Christian Service, Communications, Finance, and Campus Affairs), a Supreme Court, and a Central Committee. The Central Committee, which is made up of the student body officers, the Supreme Court Chief Justice, and the standing committee chairmen, acts as an overseeing and coordinating body for the standing committees. The Supreme Court acts as the constitutional watchdog. The ASCGFC also includes one faculty member on each of the student government commit-

tees to further student-faculty communications and cooperation. Student representation on the standing committees and the Supreme Court is based on residence areas in order to more effectively use existing channels of communication on campus.

Athletics

George Fox College has excelled in athletics during recent years. Intercollegiate men's sports include cross-country, soccer, basketball, baseball, and track. Women students compete in field hockey, volleyball, basketball, tennis, track, cross-country, and softball. The college also has a strong program of intramural athletics.

Men's varsity athletic competition functions under the direction of the National Association of Intercollegiate Athletics, of which the college is a member. Women's athletic competition functions under the direction of the Association of Intercollegiate Athletics for Women, of which the college is a member.

Music

Music activities are available to students with varied musical talents. Public performances are presented through the Oratorio Choir, A Cappella Choir, Chamber Choir, Concert Band, Orchestra, Music Theatre, Stage Band, and Jazz Ensemble, as well as touring groups such as "New Vision" and "Dayspring." Students are urged to audition for these musical groups.

"Student Chapter Music Educators National Conference" provides a bond between students in music education and the professional organization. Students receive the *Music Educators Journal* and the *State Music Journal*. Members may attend meetings of these professional educators organizations.

The club also sponsors speakers on new developments in the music education field.

Drama

Communication Arts presents at least one major dramatic production each year during the winter term. Training for students, outreach to the community and social development for the audience are achieved through several mediums including Chapel/Assembly, one act plays, and Readers Theatre. Augmenting the on-campus drama program is the drama touring group that presents chancel dramas in repertory for churches in the Northwest.

Media

Publications include a newspaper, *The Crescent*, and an annual, *L'Ami*. Elected editors direct their staffs in the selection and preparation of materials for these publications. The student radio station, KGFC, broadcasts daily with campus news and music in a contemporary Christian format.

Collegiate Challenge

Collegiate Challenge is a midweek activity presided over by the student chaplain and college director of Christian life with the Student Christian Emphasis Committee. These meetings are open to the entire campus and feature members of the campus community sharing their witness as well as outside speakers, films, and musical groups.

Deputation Teams

Deputation teams are student groups that emphasize music and short messages designed for church services and youth groups.

Film Society

The GFC Film Society is a group of students who provide a variety of films on campus at

student rates. Different full-length features are provided each term.

Living Areas

Each living area facilitates social and educational programming. Such activities include Bible studies and prayer times.

Married Student Organization (MSO)

MSO is a gathering of all married students to involve them in more campus activities. Frequent meetings and get-togethers are planned, as well as retreats at Tilikum.

Minority Student Union (MSU)

MSU is an organization open to all students at GFC. They participate in such activities as retreats, social gatherings, and Chapel/Assembly presentations. Guest speakers are invited to participate and initiate discussion. It is a supporting group for minority students and provides nonminority students with an awareness of the rich cultural heritage of minority students.

PE Major/Minor Club

PE Major/Minor Club is open to students interested in physical education. The club sponsors on-campus athletic and educational events as well as traveling to professional sports attractions, providing opportunities for both on- and off-campus involvement in special activities for members.

Sigma Zeta Science

Sigma Zeta is a national honorary society for declared natural science and math majors who have completed twenty-three credits in math or science earning at least a 3.0 GPA. Its purpose is to expose students to aspects of professional life prior to graduation through involvement in local chapter activities, research, conventions, and research dissertation presentations.

Ski Club

Ski Club is open to all students, staff, and faculty. Its purpose is to foster skiing interest on campus and to facilitate transportation to ski areas.

Student Home Economics Association

This association promotes home economics, builds fellowship, and encourages national and state involvement in professional home economics meetings and workshops.

Social Events

The academic year at GFC is highlighted by many social functions. Two formal events are held during the year, one near Christmas during fall term and the other during spring term. Homecoming is one of the major campus events of the year, when the entire college community hosts returning alumni. May Day celebration, directed by the Associated Students, is held annually on the first Saturday of May. Various other activities occur throughout the year, including movies, concerts, and parties.

Scheduling of Activities

All social and college activities arranged by departments, campus clubs, or groups of students are scheduled through the Office of Student Life. The scheduling of activities by students is the joint responsibility of the Office of Student Life and the student director of activities.

CHAPEL AND CHRISTIAN SERVICE

Chapel/Assembly services provide a source of Christian inspiration and instruction. Musical programs, outstanding speakers, and faculty and student participation seek to produce in-

teresting, informative, inspirational Chapel/Assembly services and convocations. Chapel/Assemblies are held three times a week, and attendance is required of all full-time, undergraduate students. Attendance is registered and an attendance roll is maintained. Chapel/Assembly is not designed to replace nor is it designed to duplicate the ministry of the local church. Rather, it is designed to be a unique educational program of the faith-affirming college.

Students who have deficiencies in their attendance record at Chapel/Assembly run the same risks as students who have educational deficiencies in their classroom performance. In other words, just as a sufficiently deficient grade point average will lead to the dismissal of the student from the college, so too will a sufficiently deficient Chapel/Assembly record result in the dismissal of the student from the college.

The churches of the community maintain varied programs of activity for college youth. Students are welcome to their services and fellowships, and opportunity for participation and student membership is provided. Regular church attendance is desired and strongly encouraged of all students.

The Student Christian Union coordinates Christian activities on the campus and provides varied opportunities for every student who desires to participate in some phase of Christian work. The SCU sponsors a weekly meeting, two weeks of Christian emphasis each year, an annual missions conference, various prayer meetings, and service projects.

Christian ministry is encouraged as a means of developing abilities of students in the work of the church. Anyone representing the college in a specific ministry must be authorized to do so by the college administration.

STANDARDS OF CONDUCT

When a student enters the college he agrees in writing to respect the regulations of the institution. All regulations are designed to allow the fullest liberty consistent with efficient work, while at the same time promoting the welfare of the entire campus community.

The college admits students with the understanding that they will comply with these regulations in every respect and conduct themselves as responsible citizens. All students are expected to maintain normal standards of behavior, which includes conforming to state and local laws.

Any student whose behavior is dishonest, destructive, unethical, or immoral, or whose conduct is detrimental to the total welfare of the community shall be subject to disciplinary action, which may result in suspension or dismissal.

In accordance with Christian convictions honoring the body as the temple of the Holy Spirit, the college community accepts a lifestyle that forbids gambling, the use or possession of illegal drugs, alcohol, tobacco, obscene or pornographic articles or literature, and immoral sexual behavior. Our college community has found its best interests served by not sponsoring dances or permitting social dancing on campus or at college-related activities or events.

Motor Vehicles

The ownership or possession of automobiles or other motorized vehicles by students is permitted. Students are advised to maintain appropriate insurance coverage on such vehicles.

Any student who is registered and attending classes, whether full or part time, must have his/her motor vehicle registered with the



Physical Plant Office. Failure to do so will result in fines being levied.

LIVING ARRANGEMENTS

Housing Policies

George Fox College is a residential college. It is the belief of the college that the students' academic and social goals are more easily attained when living in attractive surroundings. Human relationships experienced in residence halls, residence apartments, and residence houses are strong factors in producing positive personal development. The policies and procedures governing residence housing are an outgrowth of the basic values of George Fox College.

All unmarried full-time (12 hours or more per term) students, except those living with their parents or guardians, are required to live in college-directed housing. When college-directed housing is insufficient to house all students required to live on campus, students may be permitted to live in housing not directed by the college. Petitions to move into such housing shall be evaluated on the basis of the length of time the student has been enrolled at GFC and the length of time the student has lived independent of his/her parents.

Intervisitation between men and women in the residence halls is allowed only during preannounced open house hours. Additional residence hall details are included in the college handbook provided for each student.

Three modern residence halls house 406 students. Pennington Hall, with a capacity of 100, is a coeducational residence for men and women students. Edwards Hall, a residence for 104 women, is designed with two separate wings of three floors each. The Macy-Sutton-Hobson Complex, a coed residence, houses 202 students. A limited number of residence

houses and apartments are available for single and married students. Housing administration is handled through the associate director of student life.

Residence housing is furnished with beds, mattresses, and other essential furnishings. Students are expected to provide their own bedding, towels, etc. All belongings should be marked clearly for identification. Coin-operated laundry facilities are provided for each residence.

New students should notify the Admissions Office in writing of housing preference at the time their \$75 tuition deposit is paid. Returning students who wish preference on room selection are required to pay a "registration and damage deposit" by May 1. (See Financial Information, p. 52.)

Occupants of residence housing are held responsible for damage to their unit and furnishings. Cost of damage or cleaning beyond the normal wear, unless such damage has been identified with an individual, will be charged on a pro rata basis among the occupants of the unit. A final inspection of each residence housing unit must be made before a student may leave at the end of the academic year or withdraw from the college. Final checkout from a residence housing unit is complete only with this inspection and after the key is turned in.

Food Service

With the exception of seniors, all students are required to eat in Heacock Commons. The charge established for the food service is based on the assumption that not all students eat all meals; therefore, no deduction will be granted to students who eat fewer than twenty-one meals per week. An exception may be made for meals missed because of employment. Inquiries should be directed to

the Business Office. A charge is made for guests. Commuting students may board at the college if intent to do so is indicated at the time of registration.

Students may petition the Student Life Office to have the food service requirement waived. Petitions will be evaluated on the same basis as petitions for off-campus residence. Only in exceptional circumstances will such petitions be granted.

STUDENT SERVICES

Student Life Office

This office is directly responsible for the organization and programming of residence housing and other student living arrangements, new student orientation, international students, student government, health service, food service, placement, athletics, financial aid, chapel/assembly program, college activities calendar, and other student activities. This office also offers individual attention to problems arising among students. Students are encouraged to contact this office whenever they are concerned about aspects of college life not specifically related to curricular programs. The dean of students coordinates these services and programs.

Federal Regulations

Inquiries concerning the Civil Rights Act of 1964 (Discrimination on the Basis of Race, Color or National Origin), Title IX (Non-discrimination on the Basis of Sex, and Age Discrimination) should be directed to the Office of Student Life and the Dean of Students. The Family Educational Rights and Privacy Act of 1974 provides eligible students and their parents with the opportunity to review the student's records, to seek correction of information contained in those records, and to

limit disclosure of information from the records. Information relating to record-keeping procedures and the right to file a complaint with the Department of Health, Education & Welfare, if violations of the Act occur, may also be addressed to the Student Life Office.

Health Services

The Health Service is located in Pennington Residence Hall. Attention to minor illnesses is administered by the registered nurse, who also screens for indications of need for referral to the medical community. In case of emergency during closed hours, the students consult with the resident assistant or the resident director.

Health and accident insurance is required of all students. Students must verify adequate insurance coverage elsewhere or be enrolled in the college program at the time of registration.

Financial Aid Office

This office on the ground floor of Wood-Mar coordinates student employment, awards of scholarships, grants, loans, and other forms of financial assistance.

Career Development Center

This office in the Student Annex is available to aid students regarding career selection, testing, placement, postgraduate studies, etc. Materials regarding various careers and possible job opportunities are also available in this office.

ADMISSIONS



BASIS OF ADMISSION

The college admits applicants who evidence academic interests and ability, moral character, and social concern, and who would most likely profit from the curriculum and Christian philosophy of George Fox College. These qualities are evaluated by consideration of each applicant's academic record, test scores, recommendations, interview reports, and participation in extracurricular activities.

A student may apply for admission after completion of six semesters of high school study, or as early as fall of the senior year. The college follows a policy of continuous admission, with the first decisions made in October. Admission is subject to the satisfactory completion of the senior year of high school.

In order to provide a solid foundation for college-level work, it is recommended but not required that the applicant present the equivalent of sixteen academic units from an approved high school. The following units are suggested: English, 4; social studies, 2; science, 2; mathematics, 2; foreign language, 2; and health and physical education, 1.

Scores on the College Board Test (SAT), the American College Testing Program (ACT), or the Washington Pre-College Test (WPCT) are required of each freshman applicant, and scores should be sent to the Admissions Office. Transfers are exempt from this requirement.

Admission is possible at the opening of any regular term.

ADMISSION PROCEDURES

1. Write to the Director of Admissions, George Fox College, Newberg, Oregon 97132, for information and admission forms.

2. Request a transcript of academic credit from the secondary school last attended.

Transfer students must request a transcript from each college in which they have been registered and may be asked to furnish a high school transcript also.

3. Complete the admissions form and return it to the Admissions Office. Include a nonrefundable application fee of \$10.

4. Submit reference sheets to designated persons, who will return the completed forms to the Admissions Office.

5. Arrange for an interview on campus with the director of admissions or off campus with an admissions counselor. An on-campus visit is recommended, distance permitting. See page 48 for further details.

As soon as the admissions file is completed, an applicant will be notified promptly of the admissions decision.

6. By May 1 a tuition deposit of \$75 must be submitted by each new, full-time student. This deposit reserves housing and a place in the registration sequence, and \$70 is refundable until August 1. Students admitted after May 1 are allowed three weeks to make this deposit.

7. A medical questionnaire is sent to each student who has paid a tuition deposit. This must be completed by the student and sent to the address on the form. Students who are participating in sports and others who would prefer an examination by a physician may request a medical examination form from the Admissions Office. No student will be allowed to register without completing a questionnaire or examination form.

8. It is recommended that all applicants for financial aid complete application for admission by March 1. They should also submit a Financial Aid Form (FAF) to the College Scholarship Service by this date. Students may apply for aid after March 1, but there is no guarantee that funds will still be available.

READMISSION OF FORMER STUDENTS

To apply for readmission after an absence of one or more terms, a student should request an *Application for Readmission* from the Admissions Office. If two or more years have elapsed, he or she must meet any new or revised graduation requirements and may be asked to go through regular admission procedures.

ADVANCED PLACEMENT—HONORS PROGRAM

Past learning and present ability may recommend that course work begin at an advanced level. This may involve granting of credit or in waiving certain prerequisites or college requirements. These *Course Challenge Programs* are described in the chapter, "The Academic Program." An *Intensified Studies* or honors program is described in the same chapter.

ADMISSION TO MAJORS

Admission to the college does not imply automatic admission to teacher education or to a particular major, such as music. Each student selects a major in conference with a faculty advisor, normally during the course of the sophomore year.

POLICIES GOVERNING TRANSFER STUDENTS

Students who have completed work at other educational institutions may be entitled to advanced standing by presenting official transcripts. George Fox College applies the accepted credits toward the general education requirements and the student's chosen major.

Certain criteria are involved in the evaluation:

1. Only course work with a "C" or better grade will be accepted.
2. All general education requirements, except upper division religion requirements, will be fulfilled if the applicant holds an Associate of Arts degree from an accredited two-year college. Courses taken to fulfill an Associate of Science or Associate of Applied Science are transferrable on a course-by-course basis and general education requirements may not be fulfilled.
3. A maximum of ninety-six quarter hours may be transferred from an accredited two-year college with an Associate of Arts degree toward the bachelor's degree.
4. A maximum of sixty quarter hours of Bible and Christian ministries may be applied on a degree in a major other than Bible and Christian ministries.
5. Up to ninety-six hours may be applied toward a degree by an applicant holding an R.N. degree from an accredited school of nursing. Credits will be determined by the registrar.
6. A maximum of thirty quarter hours of approved correspondence work may be applied toward a degree program.

Any evaluation of transfer credit is to be considered tentative until the student has completed one quarter of no less than twelve hours.

Each student must complete a minimum of forty-five quarter hours in residence for the bachelor's degree. Two terms must be in the senior year (joint-degree students in elementary education are excepted).

EARLY ADMISSION OF HIGH SCHOOL STUDENTS

An early admissions program is available to qualified high school students. This permits study at George Fox College while a student completes a high school program.

Eligibility Requirements: (1) An applicant must have completed the junior year of high school; (2) an applicant who has completed the senior year of high school is *not* eligible; (3) recommendations from the applicant's high school principal or assistant principal and guidance counselor are required before a student may formally apply for early admission; (4) early admission students must receive grades of "C" or better to remain in the program.

Application Procedures for Early Admission: (1) Contact the Admissions Office for an admission application; (2) complete the application and return it to the Admissions Office with the \$10 application fee; indicate your choice of courses; (3) upon completion of the application, an applicant will be notified concerning admission and registration; (4) only one course of no more than four hours may be taken during any of the regular terms, unless a lightened high school load is possible; (5) early admission students in good standing are automatically admitted to the college upon graduation from high school.

Cost and Credit: (1) Early admission students may take a maximum of twelve quarter hours work with a tuition charge of \$10 per credit hour; (2) credit during early admission may be applied to degree programs at George Fox College without additional charge; (3) credit earned during early admission may be transferred to other colleges or universities upon payment of regular tuition and fees in effect at the time the course was taken; (4)

after the completion of ninety quarter hours (2 years) at George Fox College, a student may transfer the hours taken during early admission without an additional payment.

NON-HIGH SCHOOL GRADUATES

An adult whose high school preparation is incomplete may be admitted on the basis of the General Educational Development Test, provided the average standard score is at least 53 with no one score below 48. A high school or two-year college counseling center can supply details. Adults who do not have a high school degree or its equivalent and who do not wish to pursue a degree may be admitted to non-credit courses offered under the continuing education program or be admitted as auditors in other selected courses.

AUDITORS

By permission of the director of admissions and the Registrar's Office, it is possible to audit classes. Auditors pay a reduced tuition fee. Students do not complete course requirements, and no college credit is earned.

SENIOR CITIZENS

Any person sixty-two years of age or older may enroll in regular courses for credit or audit without a tuition charge. A service fee of \$5 per term is required, plus a fee for materials if such are essential to the course. A small charge may be necessary in continuing education courses in which the primary enrollment is senior citizens. Unless limited by space, equipment, or essential background, all courses are open. Application is through the Office of the Registrar. Counseling in regard to courses is available in the Continuing Education Office.

TRANSIENT STUDENTS

Students working toward a degree in another college may enroll for courses at George Fox as transient students. The \$10 admission fee is charged once, although the student may attend several terms or sessions. Not more than one year of full-time study may be permitted.

FULL-TIME STUDENTS

Full-time students are enrolled for a minimum of twelve hours in a standard term. Only full-time students may represent the college in an official capacity, hold a major office in an organization, or live in college housing.

PROVISIONAL STUDENTS

An applicant who does not meet the total expectations for admission may be admitted as a provisional student. The status and conditions will be defined at the time of admission. This possibility is in keeping with Carnegie Commission recommendations for the encouragement of advanced learning for disadvantaged persons. Others whose background may not be considered disadvantaged also benefit from the program. Current students may become provisional if their academic achievement is unsatisfactory. This is described in the chapter, "Academic Regulations."

INTERNATIONAL STUDENTS

Prospective students who are not U.S. citizens may write for additional information about special procedures. Initial application must be made by January 1 for entrance in the fall term, or at least six months in advance for admission to any other term. Satisfactory scores on the Test of English as a Foreign Language (TOEFL) and documentation of financial abili-

ty are among the prerequisites for admission. This institution is authorized under Federal law to enroll nonimmigrant alien students.

CAMPUS VISITATION

Students interested in enrolling at George Fox are encouraged to visit the campus, preferably when classes are in session. This provides an opportunity to observe classes, see the campus facilities, and talk with students and professors. When possible, visits should be arranged in advance through the Admissions Office, which is open on weekdays, 8:00 a.m. to 5:00 p.m., and on Saturdays by appointment.

FINANCIAL INFORMATION



George Fox College maintains high educational standards at the lowest possible cost. The individual student pays only about 70 percent of the actual cost of education. The remainder of the cost is underwritten by gifts from alumni, friends, churches, businesses, and institutions. An extensive financial aid program assists students in meeting college costs.

The Board of Trustees reserves the right to adjust its charges (other than guaranteed tuition rates as described below) at any time, after giving due notice. No changes will be made during a term, nor, unless special circumstances make such action necessary, will changes be made during a given academic year.

Although a number of steps are being taken to control expenses and to maximize unrestricted gift income and return on endowment, a modest increase in charges, including the tuition rate for new students, may be necessary effective September 1980 to offset the effects of inflation.

COSTS

Estimated Cash Outlay for Typical Entering Student, 1979-80*

	Fall Term	Winter Term	Spring Term	Total
Tuition (16 hours)	\$ 992	\$ 992	\$ 992	\$2976
Student Body Fee	35	30	30	95
Application and matriculation fees	25		25	
Total	1052	1022	1022	3096
Board and room	630	525	420	1575
Total resident students	\$1682	\$1547	\$1442	\$4671

* Because of the early issuance of the catalog, students should confirm costs for the 1980-82 academic years after March 1 of each year.

These costs do not include travel, books, and personal expenses, which will vary widely among students. Costs of books can be expected to average about \$70 per term.

A Guaranteed Tuition Plan

A student pays only for those courses in which he enrolls. Tuition charges are determined by the number of credit hours for which a student registers. Depending upon his financial situation, his career goals, and his aptitude, a student may arrange his program in a variety of ways. In every case, the student pays only for those courses he needs or desires to fulfill his requirements.

Tuition charges are on a guaranteed rate per term credit hour. The rate as indicated below by year of full-time enrollment will be maintained during the regular time required for graduation.

This means that students who have not previously attended college will be guaranteed twelve terms. Transfer students will be guaranteed one to twelve terms, depending on the number of credit hours required to complete their degree at George Fox College, computed at the date of enrollment.

Continuous full-time enrollment is required to maintain the guaranteed rate. Fall term, winter term, and spring term are regular sessions covered by the guaranteed tuition rate. Summer sessions are not considered as regular sessions. Students who drop out for one session or more, or who reduce their credit hours taken to less than twelve, will pay the rate prevailing at the time of their reenrollment as a full-time student. Students taking less than twelve hours per term will pay the new student rate.

If the Consumer Price Index (CPI) computed by the Bureau of Labor Statistics increases by more than twelve points in any one

year, all tuition rates may be reevaluated and, if necessary, increased by a percentage equal to the amount by which the CPI increase exceeds the average increase for the preceding three years.

Tuition Charges*

Tuition charges for full-time enrollment (twelve or more credit hours per term):

For students enrolled continuously since the academic year 1977-78: \$50 per credit hour.

For students enrolled continuously since the academic year 1978-79: \$55 per credit hour.

*For students enrolling full time for the first time during the academic years 1979-81: \$62 per credit hour.

*For less than full-time students enrolling during the academic years 1979-81: \$62 per credit hour.

*For students enrolling for summer credit, tuition is charged at the current year's rate (not a guaranteed rate).

Tuition for auditing a course is one half the applicable regular charge.

Joint Program Tuition

When a student chooses to enroll in a joint program with a second college, the tuition charges are established separately by each college. In the Christian College Consortium program, payments are made through GFC. In other programs, payments are to the college attended for the work taken.

FEES AND EXPENSES*

Student Body Membership

Students registered for twelve credit hours or more each term—annual membership \$90
 Students registered for at least five but less than twelve credit hours per term—annual membership 45

*Because of the early issuance of the catalog, students should confirm costs for the 1980-1982 academic years after March 1 of each year.

Student identification card 5

The full membership covers student activities, class dues, social events, athletic events, the Student Union Building, and subscriptions to the college paper and yearbook. The partial membership covers all of the above except the yearbook.

Admission Fees and Deposits

Application Fee (nonrefundable, submitted with application for admission)	\$10
Matriculation (registration) fee (paid only at initial entrance as full-time student to GFC)	15
Tuition deposit (required of all new, full-time students)	75
Registration and damage deposit (required of all students)	50

Registration, Records, and Graduation Fees

Late registration fee (applicable if registration, including payment of charges or completion of financial arrangements, is not made prior to the first day of classes each term)	
First week of classes	\$ 5
Second and following weeks	10
Change of registration, per change	
First week of classes	no charge
Second-seventh week	5
Thereafter	10
Fee for removing "Incomplete" or recording change of grade, per course	5
Examination fee for credit by examination, challenge, or exemption from specific requirement, per course	25
Credit by examination, per credit hour ..	10
Special examination	10
Joint-degree registration, per term	10
Graduation fee	30

Transcripts, each (first four copies free to GFC graduates)	1
Placement office registration fee	10
Placement credentials, per set (first five sets included in placement office reg- istration fee)	2

Departmental Fees

Chemistry breakage ticket (unused por- tion refundable)	\$10
Data processing classes (initial fee)	20
Off-campus physical education activity, per term ¹	15
Private music lessons, per term (includes one one-half hour lesson per week and use of practice room)	65
Instrument rental—fees are set by the music department and range from \$5 to \$20 per term.	

Business Office Fees

Monthly Budget Plan service fee (non- refundable, sent with application for plan)	\$15
Late payment fee—Monthly Budget Plan	5
Deferred payment plan setup fee, per term	10
Account service charge	
If account balance is less than \$50, the monthly service charge is \$.50. If ac- count balance is \$50 or more, the monthly service charge is 1 percent of the unpaid balance.	
Returned check fee, per check	5

Medical Fees

Evidence of acceptable medical insurance for accidents, sickness, and prolonged illness is

¹Students pay a fee of \$15 to cover costs of facilities, equipment, and transportation for any physical education course conducted off campus, such as swimming, bowling, golf, and canoeing. Personal rackets are required for tennis.

required of all full-time students. Students are required to enroll in the college-approved student medical insurance plan unless an insurance waiver card is submitted at the time of registration indicating comparable coverage elsewhere.

The fee is subject to change each year by the underwriter but is normally \$25-\$35 per term.

Board and Room

Board and room is furnished to a resident student per term as indicated below. Charges quoted are individual student rates for two students per room. If a student chooses to occupy a residence hall room alone and such is available, an additional charge of \$75 per term will be made.

Fall term	\$630
Winter term	525
Spring term ²	420

Apartment housing is available for upperclass students at the following rates, which include all utilities.

	Room Only	Board and Room
Fall term	\$350	\$660
Winter term	290	550
Spring term ²	235	440

A limited amount of apartment housing is available for married students. Information about this housing may be obtained from the Student Life Office.

Schedule of Tuition and Room Deposits

New full-time students are required to pay a \$75 tuition deposit by May 1 or within three

²For students with uninterrupted residency beginning with fall term. Students residing in college housing only for the winter and/or spring term will pay the winter term rate each term.

weeks after acceptance, whichever is later. This deposit will be applied against the fall term tuition.

All new full-time students are required to pay a registration and damage deposit of \$50 at registration. This deposit is designed to cover student-caused damage, fines, etc. and must be permanently maintained at that balance so long as the student is enrolled. Upon withdrawal from the college, any remaining balance will be refunded to the student provided notice of withdrawal is received by the end of the last term of enrollment, or by August 1 for students not returning the following fall term.

FINANCIAL ARRANGEMENTS

All charges made by the college are due at the beginning of each term. Students receiving scholarships, grants, or loans must complete all necessary arrangements well in advance of registration. Students who are securing a loan from financial institutions or agencies (e.g., a federally insured bank loan) that may still be pending at the time of registration must have a letter of commitment from the lender acceptable to the college.

Monthly Budget Plan

An alternative method for payment of basic tuition, fees, and room and board charges is the Monthly Budget Plan, which may be elected by all full-time students.

The Monthly Budget Plan consists of equal monthly payments beginning June 1 and concluding on May 1 of the following year. A student may enter the program later than June 1 provided all back payments are made up when he joins the plan.

The annual service charge for the Monthly Budget Plan is \$15. There are no added finance charges related to these payments.

Scholarships, grants, and loans made by the college will be deducted in arriving at the balance to be met. Complete details, together with examples of how the plan operates, are available from the Business Office or Financial Aid Office.

Deferred Payment Plan

Students may elect to complete financial arrangements for registration each term using the Deferred Payment Plan.

If this plan is used, a \$10 setup fee will be added to the account. In addition, the account balance is subject to a 1 percent monthly service charge.

Under the deferred payment plan, one third of the account balance (after deducting scholarships, grants, and loans) is due at registration. An additional one third is due one month from the first day of classes for the term. The remaining balance is due two months from the first day of classes for the term.

Restrictions

The college will withhold transcript of records or diploma until all college bills have been paid or until satisfactory arrangements have been made with the Business Office. Discharge in bankruptcy shall not constitute payment within the meaning of this rule. Students may not be permitted to register for a new term until all bills are paid for the previous term.

Refund Policy

Refunds on charges for *tuition, fees, and room and board* will be made at withdrawal within a term from a course or the college. The date on which the student *completes* the official

withdrawal process will determine the amount of the refund. In the case of withdrawal from the college, a minimum of \$100 will be retained by the college to cover the costs of registration and processing.

Refunds for tuition and room charges will be made according to the schedule stated below.

First day of classes	100%
Remainder of first week	85%
Second week	80%
Third week	60%
Fourth week	40%
Fifth week	20%
Sixth and following weeks	0%

Refunds for board will be made on a pro rata basis less a 10 percent charge.

Refunds for student body membership fees will be made by the Student Government, according to the following guidelines:

First week of classes	90%
Second week	80%
Third week	70%
Fourth week	60%
Fifth week	50%
Sixth week	40%
Seventh week	30%
Eighth week	20%
Ninth and following weeks	0%

Refunds for departmental fees will be made according to the amount of the fee still unused. If none of the fee has been used, all of it will be refunded.

Refunds for registration and tuition deposits will not be given after August 1.

Refunds for school insurance fees will be made only if the withdrawal takes place prior to the sending in of the insurance premium. Thereafter, no refund will be given.

Refund Procedure

Tuition, Room, and Board. Students entitled to refunds for withdrawal from a class must complete the official "class withdrawal" form available from the Registrar's Office. Students entitled to refunds for withdrawal from the college must complete the official "honorable dismissal" form, also available from the registrar. On the completion of the appropriate form, it should then be taken to the "Student Accounts" Office, where the refund, if any, will be determined according to the above policy.

Fees. Student Body Membership Fees: Inquiries relating to such refund should be sent to the president of the Student Government located in the Student Union Building.

Except for the "student body membership fees," students who have completed the appropriate withdrawal process should check with the "Student Accounts" Office for the specifics of a given refund.

General

If a refund is due a student:

1. The student may choose to have the refund credited to his/her account for use in a subsequent term.

2. The refund check will be given directly to the student. In case of a dependent student, the student's parents may be notified of the refund.

3. If a student has a George Fox College Federally Insured Student Loan, a separate refund policy is applied.

Please note: Under no conditions will a refund check be given a student who has an outstanding balance due to the college. Only that part of the refund remaining after all debts owing the college have been paid will be given to the student.

FINANCIAL AID

Basis of Student Aid

Each family should expect to make every reasonable financial adjustment to provide as much support as possible beyond the normal maintenance it has customarily provided. In awarding aid as a supplement to the family's maximum efforts, the college considers primarily a student's academic potential, personal interests and qualities, and promise for future leadership.

The College Scholarship Service Assembly (CSS) is a constituent body within the College Entrance Examination Board (CEEB). George Fox College joins with other members of the CSS in maintaining the principle that every qualified student should be able to choose a college for personal reasons. Financial aid awards make such a choice possible by helping bridge the gap between what a student's family can reasonably afford to spend on an education and what it will cost to attend college. The amount of aid a student's family may be able to contribute for educational purposes is the same at any college to which a student applies. Every student is urged, therefore, to choose the college that offers the best opportunity to develop personal interests and abilities.

The family's ability to pay for college is determined by analyzing the information it has supplied on the Financial Aid Form (FAF), a questionnaire about financial aid provided by the CSS. A self-supporting student must also file a Financial Aid Form (FAF) to be considered for aid.

Types of Awards

Every student admitted is eligible to receive financial aid provided need can be shown.



Financial assistance awarded by George Fox College takes the form of one or a combination of the following: scholarships, grants, loans, and employment.

All federal and state financial assistance requires an affidavit attesting that the recipient will use the funds only for educational purposes.

The awards given by George Fox College are granted upon the general principle that a clear distinction should be made between awards that recognize academic honor and achievement and awards that recognize the need for financial assistance. This system of awards tends to eliminate the concept that academic achievement should be recognized by monetary grants regardless of the financial condition of the student and achieves equity in the distribution of limited aid funds by providing that students who most need assistance will receive aid. While honors for distinguished achievement are given suitable publicity, the college minimizes or completely avoids public notice of monetary grants because financial exigency is a confidential matter between the student and the college. Virtually every student in the college who can demonstrate need for assistance is awarded funds necessary for attendance.

Scholarships

Honors scholarships are granted each academic year to a limited number of qualified students. These scholarships are credits awarded by the college against the regular charges made by the college. Thus a scholarship is not a loan.

The *Benson Scholarship* is a four-year, \$4,000 scholarship provided in 1973 through a trust from Mr. and Mrs. Thomas Benson. Re-

cipients must score in the ninetieth percentile in either the Scholastic Aptitude Test (SAT) or the equivalent on the American College Testing Program and rank in the upper 10 percent of their high school graduating class. Benson candidates must be interviewed by college representatives. Financial need is not a criterion. Not more than 3 percent of the student body may be on the Benson program. Candidates are recommended by the director of admissions. Continuation in the program requires a cumulative GPA of 3.6 and successful completion of an annual review of the program.

The *Elizabeth Carey Minas Scholarship*, ranging between \$450 and \$1,000 depending upon financial need, is awarded to students who rank just below the Benson Scholarship criteria. Candidates are recommended by the director of admissions. Continuation requires a cumulative GPA of 3.55.

A limited number of *honors for freshmen* are granted each year based on a combination of high school class rank, cumulative GPA, SAT or ACT scores, leadership, and citizenship qualities. Continuation in the honors program is reviewed each year. Continuous enrollment, academic achievement, and recommendations by professors are a few of the factors considered by the Scholarship Committee in granting continuing honors. Transfer and continuing students who did not enter on honors are eligible for consideration in the program.

A small number of the highest-ranking students are selected at the end of the freshman year, or later, to enter the challenging *Intensified Studies Program*. Some financial aid is available to assist highly qualified students to pursue independent study.

OTHER SCHOLARSHIPS AND GRANTS*

A portion of the college's endowment funds is designated for the scholarship program as described above. Also, additional income from annual gifts makes it possible to award other scholarships and grants. The scholarships and grants described below are funded by these two sources of income.

The *Alumni Memorial Scholarship* of \$250 is awarded annually to a dependent of an alumnus. The first priority is to assist a dependent of a deceased alumnus. Financial need is not necessarily a criterion.

The *Alumni Scholarship* is designed to assist as a first priority dependents of alumni, and then other students as need is indicated. Awards range between \$150 and \$500. Financial need may be required.

The *Ankeny Athletic Award* of \$300 is awarded annually to a financially needy student majoring in physical education who plans to coach athletics. Students must be domiciled in one of the thirteen western states.

The *Robert Barclay Tuition Scholarship* of \$500 to \$1,000 is funded by Arthur and Fern Roberts. Applicants must be upper division Quaker students majoring in religion or philosophy. The student's home church must provide a supporting statement. Financial need is a criterion.

The *Brougher Premedical Scholarship* of \$300 is provided by Dr. John and Esther Brougher of Vancouver, Washington. The applicant must be majoring in a pre-medical professional program. Financial need is not a criterion.

The *Florence A. Butler Memorial Scholarship* of \$200 is awarded annually to a student majoring in business or economics. Financial need is not necessarily a criterion.

The *Ethel Cowgill Memorial Scholarship* of \$400 is awarded annually to a financially needy dependent of a pastor of one of the Northwest Yearly Meeting of Friends churches.

The *Creelius Family Christian Ministry Scholarship* of \$400 is awarded annually to a financially needy student majoring in Christian Ministry and planning to prepare for full-time Christian service.

*Scholarship amounts quoted may change from year to year.

The *Crisman Brothers Grant* of \$150 is awarded annually to a financially needy new student.

The *Kristine Dicus Memorial Scholarship* of \$500 is awarded to an outstanding freshman student who plans to major in music. Financial need is a criterion.

The *David P. Earhart Memorial Scholarships* range from \$100 to \$300. Students must be members of, or regularly attend, a Friends church or hold pacifist beliefs similar to the Quakers.

The *M. Lowell and Margaret W. Edwards Scholarships* ranging from \$150 to \$300 are awarded annually to students majoring in science. Preference will be given to students who are preparing for health-related professions.

The *Friends Action Board*, a subsidiary organization of Northwest Yearly Meeting of Friends Church, provides resources for minority students who typically are denied access to college because of financial exigency.

The *Allen Hadley Memorial Scholarship* of \$100 is awarded annually to a junior or senior Quaker student from Northwest Yearly Meeting who plans to major in music or social services. Financial need is a criterion.

The *Hal Hockett Memorial Premedical Scholarship* of \$150 is awarded annually to a senior student living in one of the Northwest states, including Alaska. Financial need is not a criterion. The recipient must be preparing for a health-related profession.

The *Jackson Foundation Scholarship* of \$600 is awarded to a financially needy student who has demonstrated ability to achieve in college. Other characteristics being equal, preference is given to a son or daughter of any present or former employee of the *Oregon Journal*.

The *Kent Ministerial Scholarship* of \$500 is awarded annually to a junior or senior student preparing for some form of Christian ministry. Financial need is a criterion.

The *Orpha Puckett Larrance Memorial Scholarship* of \$500 is awarded annually to an upper division student majoring in home economics or elementary education. Financial need may be a consideration in choosing the recipient.

The *George H. Layman Scholarship* of \$500 is awarded to an honors student planning to major in one of the disciplines within the Social Science Division of the college. The student must show leadership potential and require financial assistance.

The *Alida Macy Financial Assistance Grants* ranging from \$150 to \$450 are awarded to above-average students who have demonstrated achievement and citizenship involvement in high school and college.

The *L. B. Martin Memorial Scholarship* of \$500 is awarded annually to a student majoring in business or economics. The student must also be involved in the college athletic program. Financial need is not a criterion.

The *McPhee Memorial Grant* of \$500 is awarded annually to a financially needy dependent student of missionaries actively serving the church in a country other than the United States.

The *Minthorne Family Grant* of \$300 is awarded to a freshman son or daughter of a Friends pastor or missionary. Financial need may be considered in choosing the recipient.

The *Newberg Optimist Club Grant* of \$100 is awarded annually to a graduate of Newberg High School who has demonstrated ability to succeed in college.

The *Northwest Yearly Meeting of Friends Church (NWYM)* awards annually one-half tuition scholarships to a limited number of NWYM member students preparing for the ministry. Upper division students and graduate students are eligible to apply. Financial need is not a criterion.

The *William Penn Writing Scholarship* of \$250 is awarded annually to an upper division student majoring in Writing/Literature. Financial need may be taken into consideration by the Scholarship Committee when choosing the recipient.

The *Levi T. Pennington Memorial Scholarship* of \$200 is awarded annually to a financially needy student majoring in social services.

The *Physical Education Grant* of \$300 to \$500 is awarded annually to an upper division student planning to teach physical education or serve in the recreation field. Financial need is a criterion.

The *J. Vernon Rice and Maude R. Rice Scholarships* of \$400 are awarded to a limited number of students with financial need. Primary consideration is given to Idaho students who attend Idaho Friends churches, participating in the Church/College Fellowship program.

The *Milton Richey Memorial Scholarship* of \$500 to \$1,000 is awarded annually to a junior or senior student majoring in business or economics. The Scholarship Committee may take into consideration financial need when choosing the recipient.

The *Arthur and Fern Roberts Tuition Grant* of \$500 to \$1,000 is awarded annually to a freshman or sophomore Quaker student. Financial need is a criterion.

The *Frank D. Roberts Family Scholarship* of \$400 is awarded annually to the valedictorian of the senior class of Greenleaf Academy, located in Greenleaf, Idaho. Financial need is not a criterion.

The *Robertson Family Missionary Scholarship* of \$100 is awarded annually to a son or daughter of an active missionary family. Financial need is not a criterion.

The *Joanne Brougher Summers Memorial Scholarship* of \$500 is awarded annually to an international student or Alaskan Eskimo who has ability to succeed in college. Financial need is a criterion.

The *Mary C. Sutton Memorial Scholarship* of \$100 is awarded annually to a financially needy Quaker student majoring in Christian education or biology.

The *Arthur and Gwen Winters Scholarship* of \$200 is awarded annually to a Quaker student from Northwest Yearly Meeting of Friends Church. The student must have documented financial need.

It is hoped that recipients of these funds, who from experience are more aware than others of the importance of this scholarship program, will someday desire to add to the scholarship endowment fund and designate gifts for this purpose.

A limited number of awards are made each year to students in the fields of athletics, drama, and music. To be eligible applicants must have satisfactory academic records and unusual proficiency in one or more of the above fields. Auditions or personal interviews are usually required of applicants. The college has established Church/College Fellowship Awards to assist churches in encouraging their young people to attend a Christian college. The church may make a gift of any amount to the college for credit to a specific student's account. The college will then match up to \$100 of the gift for any such students and up to \$300 for juniors and seniors who are preparing for Christian service. Gifts may be made for any number of students from a church. The gifts must be an official act of the church rather than from individual church members. In order to participate, a church must file an application in the financial aid office no earlier than February 1 and no later than March 15. Applications will be supplied upon request.

Any student whose home is over 500 miles from the campus may be eligible for a travel grant. The amount of the grant varies in proportion to the distance between the student's home and the college, is dependent on need, and is credited to a student's spring term account.

A student with exceptional need may apply for state and federal grants. An FAF must be on file to determine eligibility for this type of assistance. The Basic Educational Opportunity Grant is a Federal program, requiring an FAF. Forms are available at high schools and colleges.

Loans

The Federally Insured Student Loan Program is a plan whereby parents or students borrow from their local bank for educational purposes. Applicants may obtain the appropriate forms from the college or local banks.

There are several other loan programs financed through the college that are available to students with exceptional need. Students should apply to the Financial Aid Office.

The college encourages students and their parents to use loan funds because these, unlike scholarship grant funds, do not subtract from the resources that support the program of the college. Loans place the responsibility for financing higher education on the student, enabling him/her to receive financial assistance when needed and to pay some of the cost of education at a later time when better able to do so. Consequently, the college expects loans to be a significant part of the usual financial aid award.

Employment Grants

On-campus employment constitutes a significant resource for students who have documented financial need. A Financial Aid Form

must be on file to determine eligibility for employment. A limited number of employment positions are given to students regardless of financial need. Most student employment is subsidized through the Federal College Work Study program.

FEDERAL LAWS AND REGULATIONS

Prospective and enrolled students may request and receive materials concerning Student Consumer Information, including cost of attendance and the institution's refund policy from the Office of the Business Manager. Inquiries concerning wage and hour regulations should also be directed to this office.

Assistance in obtaining student consumer information may be received through the Office of Financial Aid. Prospective and enrolled students may request and receive information from the director of financial aid and the financial aid staff concerning available financial assistance, including all Title IV (Higher Education Act of 1965 as amended), Basic Educational Opportunity Grants, Supplementary Educational Opportunity Grants, the National Direct Student Loan Program, and the Federally Insured Student Loan Program, state, and George Fox College programs, student eligibility, criteria used to select financial aid recipients and determine award amounts, and the rights and responsibilities of students receiving aid under these programs. Veterans with questions regarding application of Veterans' Benefits to the college's programs should contact the Financial Aid Office.

THE CURRICULUM



**DIVISION I
EDUCATION**

Education, Health Education, Physical Education

**DIVISION II
FINE AND APPLIED ARTS**

Art, Music

**DIVISION III
LANGUAGE ARTS**

Communication Arts, Literature,
Greek, Spanish, Writing

**DIVISION IV
NATURAL SCIENCE**

Biology, Chemistry, General Science,
Home Economics, Mathematics, Physics

**DIVISION V
RELIGION**

Bible, Christian Ministries, Philosophy, Religion

**DIVISION VI
SOCIAL SCIENCE**

Business, Economics, Geography, History, Political
Science, Psychology, Social Services, Sociology

COURSE NUMBERING SYSTEM

Courses numbered 100-299 are lower division level and normally are open to freshmen and sophomores. Courses numbered 300-499 are upper division level and normally are open to juniors and seniors. Freshmen may not enroll in courses at the 300-400 level, except by permission of the chairman of the division in which the course is offered. A 300 numbered course may be open to sophomores. Exceptions may be made when prerequisites are met and general education requirements fulfilled on schedule.

Course numbers ending in zero (e.g., Ed 300) designate courses that are complete in one term. They may be scheduled for any term during the college year.

Course numbers ending in five (e.g., Mus 105) designate courses that may be pursued for several terms under the same number, with all credits applicable, within stipulated limits.

Course numbers ending in one, two, and three, or seven, eight, and nine (e.g., Eng 111, 112, 113) designate courses offered throughout the year. A continuing course may not be entered in the second or third term without completing the previous term(s) or obtaining the permission of the instructor.

Course numbers ending in 75 designate supervised teaching, or field education courses for which application is necessary through the director of field education. (See index: field education.)

Courses designated 285 and 485 are special topics classes that may be offered in any department to reflect single-time offerings of visiting professors or group seminars, such as the Miniterm.

Courses designated 295 and 495 are individualized special study programs not a part

of the regular curriculum. Entry application forms are available from the registrar and when completed become a learning contract between the student and the instructor.

All 475, 485, and 495 courses are limited to juniors and seniors who are majoring in the field.

Course number 490 designates a Senior Seminar that is completed in one term; numbers 491, 492, and 493 designate a Senior Seminar given each term.

Virtually all 300-400 level courses are offered in alternate years. If a year of offering is stated, you should assume that the course will be offered in alternate years only.

A GE prefix refers to General Education.

DIVISION OF EDUCATION

Basic objectives of the division are:

1. To coordinate the resources of the college in providing a broad general education with academic specialization for the prospective teacher.
2. To provide professional preparation that develops in students the understandings, skills, and attitudes needed for a career in teaching at the elementary and secondary levels.
3. To provide instruction that fosters physical development of students and enhances the use of leisure time.

TEACHER EDUCATION

The teacher education program at George Fox College is designed to prepare teachers for the public and private schools through a curriculum that pyramids from a broad foundation in Christian liberal arts education through specialization in a particular field of knowledge to clinical studies in teaching and learning theory.

Teacher education and certification in Oregon operate under the approved program approach. Teaching certificates are issued to qualified applicants who have completed a teacher education program approved by the Oregon Teacher Standards and Practices Commission and have the recommendation of the approved teacher education institution in which they completed the program.

SECONDARY SCHOOL TEACHING

George Fox College has been approved by the Teacher Standards and Practices Commission to offer training programs leading to certification in the following teaching majors:

Advanced Mathematics
Biology

Integrated Science
Language Arts
Music
Physical Education
Social Studies

Additional teaching fields are provided through the following approved teaching minors in each of the above and in the following:

Basic Mathematics
Drama
Health
Speech

Students seeking certification in a teaching minor must also complete a specified teaching major and special methods course in the field of the teaching minor.

ELEMENTARY SCHOOL TEACHING

George Fox College has been approved by the Oregon State System of Higher Education for the training of elementary teachers in conjunction with Oregon College of Education. Students who are admitted to teacher education and satisfactorily complete the prescribed course of study at George Fox College may transfer to Oregon College of Education at Monmouth, Oregon, for their senior year. They receive the Bachelor of Science degree from George Fox College and are recommended to the Teacher Standards and Practices Commission for the Basic Teaching Certificate (Elementary) by Oregon College of Education. A similar joint-degree program with Linfield College at McMinnville, Oregon, also is available.

Students interested in majoring in elementary education should contact the director of teacher education upon entering George Fox College for advising and for current requirements.

ADMISSION TO TEACHER EDUCATION

Students wishing to explore or prepare for entering a teaching career should become involved in the teacher education program as early as possible in their college career. It is advised that initial steps be taken as an entering freshman or as soon as possible after entering George Fox College. Formal admission to the teacher education program may be requested during or prior to the first term of the junior year. Admission to the program is based upon academic achievement, skills in writing and speech, satisfactory physical and mental health, and exemplary social and moral behavior.

It should be stressed that the student must complete the general education, teaching major, and professional education requirements as well as receive a bachelor's degree before he/she may be recommended for teacher certification. Completion of the prescribed academic program for teacher education is not a guarantee of favorable recommendation for teacher certification. Consideration for certification is based not only on the academic performance of the student, but also on satisfactory evidence of good moral character and the mental, emotional, and physical health needed for successful performance in the teaching profession.

TRANSFER STUDENTS IN EDUCATION

Any student transferring to George Fox College must meet the same requirements for admission as those who have entered the program at the usual point. For secondary teaching fields, work at George Fox College must include Teaching of _____ (Special

Methods) and Ed 475 and 490 Supervised Teaching and Seminar. A minimum of forty-five hours must be taken in residence at George Fox College for either the elementary or secondary program.

A student transferring from a nonaccredited college to the secondary program of teacher education will be granted only conditional admission to the program until he or she demonstrates ability by completing twelve term hours in his first teaching field and/or professional education with an average GPA of 2.50. Courses taken at nonaccredited colleges cannot be applied toward the elementary joint-degree program.

ADMISSION TO SUPERVISED TEACHING

Acceptance into the teacher education program does not guarantee assignment for supervised teaching. Application must be made for admission to supervised teaching by filing forms obtained from the education office not later than the first week of the term preceding the quarter for which the assignment is requested. Admission to supervised teaching is based upon attainment of a minimum cumulative GPA of 2.30 and an average GPA of 2.50 in the teaching major, completion of the required professional courses with no grade below "C," and a minimum of thirty term hours completed in residence.

PLANNING THE PROGRAM

The program leading to certification in secondary teaching includes the general education requirements (approximately one third of the total number of hours required for a bachelor's degree), a teaching major (or two or more teaching minors, totaling at least 72 hours), professional education courses,

seminars, and clinical experiences (approximately one fifth of the total), and free electives (approximately one eighth of the total).

Students should plan to finish their general education requirements and some of their lower level teaching major requirements during their first two years at college. Professional courses in education and the advanced teaching major course requirements should be completed during the last two years. Teaching methods courses must be taken before student teaching.

It should be stressed that the student must complete the general education, teaching major, and professional education requirements as well as receive a bachelor's degree before he/she may be recommended for teacher certification.

WAIVER OF REQUIREMENTS

Students enrolled in the Teacher Education Program who have had experience or education that has provided the competencies that the courses and experiences in the program are designed to develop may request a waiver of that portion of the requirements. Waivers may be considered in each of the following categories:

1. Examination and/or demonstration of competence. The student may demonstrate competence in written or verbal ways or by demonstrating through the execution of specific tasks.

2. Experience. The student may request that recent directly related experiences be accepted in satisfaction for course work or field experience. The student is required to submit documentation to support this request.

3. The student may request evaluation of other academic work completed satisfactorily to be granted equivalent credit.

PROFESSIONAL COURSE REQUIREMENTS

All prospective teachers in secondary education must complete the following courses, seminars, and clinical experiences in addition to those required for general education and an approved teaching major (or two or more teaching minors totaling at least 72 hours):

Ed 305 September Participation or
Ed 175/375 Field Experience
Ed 310 Social Foundations of Education
Ed 320 Psychological Foundations of Education
Ed 340 Teaching Developmental Reading
Ed 350 Instructional Media
Ed _____ Teaching of _____
(Special Methods)
Psy 310 Human Development
Ed 475 Supervised Teaching
Ed 490 Supervised Teaching Seminar

Notes: (1) General education requirements must include Psy 201 General Psychology and either Eco 150 Introduction to Economics or HEc 350 Consumer Buying; (2) An American Red Cross First Aid card is required for teacher certification; (3) Completion of the appropriate course in special methods is required for all teaching majors and minors; (4) Under the interdisciplinary major provision, students may elect to complete two or more teaching minors totaling at least seventy-two term hours in lieu of a teaching major. Proposed interdisciplinary majors must be submitted to the director of teacher education for approval.

Biology

Teaching Major Requirements: Sixty term hours are required including Ch 231,2 Organic Chemistry, GSc 120/320 Air and Water Environment, GSc 370 Environmental Science, Bi 101,2,3 General Biology, Bi 350 Genetics, Bi 360 Ecology, Bi 370, General

Microbiology, Bi 430 Evolution, Bi 300 Developmental Biology or Bi 310 Vertebrate Embryology, Bi 330 Physiology or Bi 340 Plant Physiology, Bi 491,2,3 Senior Seminar, and seven hours in approved electives in upper division biology. General education must include Ch 111,2 General Chemistry and four hours in Mth 195 College Algebra.

Teaching Minor Requirements: Forty-five term hours are required including Ch 111,2 General Chemistry, Ch 231,2 Organic Chemistry, GSc 120/320 Air and Water Environment, GSc 370 Environmental Science, Bi 101,2,3 General Biology, Bi 350 Genetics, Bi 360 Ecology, Bi 370 General Microbiology, Bi 430 Evolution, and three hours in approved electives in upper division biology. Note: Ch 111,2 General Chemistry *may* simultaneously satisfy general education requirement. General education must also include four hours in Mth 195 College Algebra.

Health

Teaching Minor Requirements: Thirty term hours are required including HE 200 Personal Health; HE 202 Psychology of Effective Behavior; HE 210 Community Health Problems; HE 390 Safety Education; HE 230 First Aid; HE 310 The School Health Program; HE 300 Nutrition; HE 280 Marriage and Family; HE 350 Communicable and Noncommunicable Diseases; HE 360 Drug Education; HE 380 Consumer Health.

A teaching minor in health may be combined only with teaching majors or minors in physical education, science, or social studies. When combined with physical education, student teaching must include experience in classroom teaching of health.

Integrated Science (B.S. Degree)

Teaching Major Requirements: Sixty term hours are required including eight to twelve hours in Bi 101,2,3 General Biology; eight to twelve hours in either Ch 111,2,3 General Chemistry or Ph 201,2,3 General Physics; GSc 310 Essentials of Geology; GSc 320 Air and Water Environment; GSc 330 Essentials of Astronomy; GSc 370 Environmental Science; GSc 420 Creation; nine term hours taken at Portland State University, including G351 Introduction to Oceanography, G 390 Historical Geology, and Geog. 209 Weather and Climate; and sufficient approved electives in biological and physical science to bring the total number of hours to sixty. Note: General education must include Mth 201,2 Calculus. Science courses taken to satisfy general education requirements *may not* be counted toward the sixty hours required for the major.

Teaching Minor Requirements: Forty-five term hours are required for the minor. These include all courses listed for the major except the hours in electives. Note: General education must include Mth 201,2 Calculus. Courses taken for the minor *may* simultaneously satisfy general education requirements in science.

Language Arts (B.A. Degree)

Teaching Major Requirements: Fifty-six term hours are required including Wr 220 Business Writing or Wr 350 Creative Writing, Wr 310 Advanced Writing Techniques, CA 120 Introduction to Acting, CA 221 Oral Interpretation, CA 330 Mass Media, CA 340 General and Cultural Linguistics, Lit 201,2 English Literary Heritage, Lit 311 American Prose, Lit 312 American Poetry, Lit 344 Shapes of Literature, Lit 381 Shakespeare, Lit 473 Twentieth Century Novel, plus four term hours of approved electives in Lit, Wr, or CA. Note: General education requirements must include Wr 111 Effective Writer, CA 111 Public Communication, and Lit 251,2 World Literature. When language arts constitutes the first teaching field, courses taken to satisfy general education may *not* be counted toward the major.

Teaching Minor Requirements: (1) Language Arts. Forty-five term hours are required including Wr 111 Effective Writer, Wr 310 Advanced Writing Techniques, Wr 220 Business Writing or Wr 350 Creative Writing, CA 111 Public Communication, CA 221 Oral Interpretation, Lit 201 or Lit 202 English Literary Heritage, Lit 251,2 World Literature, Lit 311 American Prose or Lit 312 American Poetry, Lit 344 Shapes of Literature, CA 340 General and Cultural Linguistics, and one term hour in an approved elective in Wr, Lit, or CA. Note: Courses taken to satisfy general education requirements *may* be counted toward the language arts minor.

(2) Speech. Twenty-four term hours are required to include CA 110 Interpersonal Communication, CA 111 Public Communication, CA 221 Oral Interpretation, CA 300 Introduction to Communication Theory, CA 310 Studies in Persuasive Communication, and four hours selected from CA 275/475 Field Experience and CA 495 Individual Research.

(3) Drama. Twenty-four term hours are required to include CA 120 Introduction to Acting, CA 220 Introduction to Theatre, CA 320 Advanced Acting, CA 321 Developmental Theatre, Lit 324 Contemporary Drama, and four hours selected from CA 125/325 Theatre Lab, CA 160/360 Improvisational Acting Workshop, CA 165/365 Drama Touring Group, and CA 495 Individual Research.

Mathematics (B.S. Degree)

Teaching Major Requirements: Fifty-five quarter hours are required including Mth 201, 202, 203 Calculus; Mth 301 Calculus; Mth 320 Linear Algebra; Mth 410 Algebraic Structures; Mth 330 Probability; Mth 240 Statistical Procedures; Mth 420 Modern Geometry; Mth 210 Basic Programming; fifteen quarter hours of approved electives in mathematics. Mth 340 History of Mathematics is recommended for inclusion. General education requirements must include Ph 201, 202 General Physics.

Teaching Minor Requirements: (a) Advanced Mathematics: Forty-two quarter hours are required for the teaching minor in advanced mathematics, including Mth 201, 202, 203 Calculus; Mth 210 Basic Programming; Mth 330 Probability; Mth 240 Statistical Procedures; Mth 320 Linear Algebra; Mth 410 Algebraic Structures; Mth 420 Modern Geometry; and ten quarter hours of approved electives in mathematics.

(b) Basic Mathematics: Twenty-two quarter hours are required for the teaching minor in basic mathematics including Mth 195 College Algebra (or equivalent) two hours; Mth 201 Calculus; Mth 210 Basic Programming; Ed/Math 485 Independent Study Courses for Teachers (8 quarter hours); and Mth 495 Mathematical Ideas and Applications for Teachers.

Music (B.A. Degree)

Teaching Major Requirements: Fifty-seven term hours are required including Mus 121, 122, 123 Theory I (Simultaneously satisfies ten term hours of general education requirements.); Mus 221, 222, 223 Theory II; Mus 117, 118, 119 Introduction to Music Literature; Mus 311, 312, 313 Music History; Mus 410 Instrumentation and Orchestration; Mus 420 Composition; Mus 200 Elementary Conducting; Mus 430 Instrumental Conducting; Mus 450 Choral Conducting; four hours selected from Mus 210 String Techniques, Mus 230 Woodwind Techniques, Mus 250 Brass Techniques, Mus 260 Percussion Techniques, or Mus 270 Vocal Techniques; Mus 220 Folk Instrument Techniques; two years of private lessons; ten terms of large ensemble; piano proficiency.

Physical Education (B.S. Degree)

Teaching Major Requirements: Fifty-nine term hours are required including PE 200 History and Principles of PE; PE 221-229, 232 Professional Activities; PE 230 First Aid; PE 231 Developmental Activities, Games and Stunts; PE 320 Adapted and Corrective PE; PE 330 Organization and Administration of PE; PE 350 Care

and Prevention of Athletic Injuries; PE 360 Kinesiology; PE 400 Tests and Measurements; PE 430 Exercise Physiology; PE 441 Motor Development and Motor Skill Learning; PE 475 Field Experience in PE; Bi 320 Human Anatomy; Bi 330 Physiology; four term hours in upper division electives in PE. General education requirements must include Bi 101, 102 General Biology.

Teaching Minor Requirements: Forty-five term hours are required including all courses listed in the major above, except PE 400 Tests and Measurements, PE 475 Field Experience in PE, six term hours in Professional Activities, and the upper division electives.

Social Studies (B.A. Degree)

Teaching Major Requirements: Fifty-seven term hours are required including Eco 201, 202 Principles of Economics; Hst 201, 202 United States; Hst 330 Pacific Northwest; PSc 230 State and Local Government; choice of two of GSc 370 Environmental Science, Soc 326 Urban Problems, or Soc 332 Ethnic Groups and Social Minorities; plus choice of three of the six following groups: 1) Hst 101, 102 Civilizations; 2) PSc 210 American Government, upper division elective in PSc; 3) Soc 201 Principles of Sociology plus choice of two of Soc 202 Social Problems, Soc 280 Marriage and the Family, or approved upper division elective in Soc; 4) Psy 202 Psychology of Effective Behavior, Psy 350 Social Psychology; 5) Soc 301 Cultural Anthropology, Soc 332 Ethnic Groups and Social Minorities (may not duplicate choice above); 6) Hst 490 History Seminar. Social science courses taken to fulfill general education requirements may not be applied toward the major.

Teaching Minor Requirements: Requirements are identical to those of the major except that Hst 490 Senior Seminar is not required and social science courses may simultaneously satisfy general education requirements and the teaching minor.

EDUCATION

Ed 175/375 FIELD EXPERIENCE

1 hour, maximum 6 hours. A laboratory experience consisting of work as a teacher's aide in the classroom of a public school for a minimum of 35 hours during the term. Teacher aide assignments will be made and supervised by the director of teacher education and school district personnel. Prerequisite: Instructor's permission.

Ed 305 SEPTEMBER PARTICIPATION

0 hours. A two-week period of observation in the home school of the teacher education candidate at the opening of the public school year. Intended to provide a laboratory experience immediately prior to the junior sequence of professional education courses. Admission by application only.

Ed 310 SOCIAL FOUNDATIONS OF EDUCATION

4 hours. Offered fall term. An introduction to the American educational system from a social and cultural perspective with emphasis upon the role of minority groups in a democratic society.

Ed 320 PSYCHOLOGICAL FOUNDATIONS OF EDUCATION

4 hours. Offered winter term. A study of psychological bases of learning processes including individual and group differences. Intended to relate the student's understanding of factors affecting learning, thinking, memory, transfer of training, use of learning experiences, learning climate, and other pertinent factors to modern classroom practices. Identical with Psy 320. Prerequisite: Psy 201 or permission of the instructor.

Ed 340 TEACHING OF DEVELOPMENTAL READING AND WRITING

4 hours. Offered spring term. Designed to develop competencies in a program of pupil progress and growth in reading from kindergarten through grade twelve. Deals with such basic aspects as readiness, skills in diagnosing pupils' needs, the interrelatedness of reading, composition, and other language understandings, study skills, reading rate, and comprehension.

Ed 350 INSTRUCTIONAL MEDIA

2 hours. Designed to prepare the prospective teacher as well as the professional in many other fields to select, produce, and use instructional media such as pictures, posters, bulletin boards, transparencies, slides, recordings, films, television, and programmed instruction to implement learning. Two lectures and one laboratory period per week. Identical with CEd 350.

Ed 410 TEACHING OF PHYSICAL EDUCATION

5 hours. Offered spring term. An analysis of objectives, curriculum construction and program planning, unit and lesson plans, instructional methods, and evaluation procedures. Emphasis given to both elementary and secondary levels.

Ed 421, 422, 423 PUBLIC SCHOOL MUSIC METHODS

7 hours. Offered winter term 1981-82. A certain degree of piano proficiency is required. A survey of aims, methods, materials, and repertoire used in teaching music in elementary and secondary schools.

Ed 430 TEACHING OF LANGUAGE ARTS

4 hours. Offered winter term 1981-82. Methods of teaching secondary level courses in language arts, drama, and speech, emphasizing objectives, curriculum, procedures, and materials.

Ed 440 TEACHING OF SCIENCE

4 hours. Offered winter term 1980-81. Current philosophies and practices in teaching science at the secondary level. Provides experience in preparation, presentation, and evaluation of lessons, including observation in public school science classes.

Ed 450 TEACHING OF MATHEMATICS

4 hours. Offered winter term 1981-82. The development, curriculum, and teaching techniques of mathematics at the secondary school level, with observations of exemplary public school mathematics programs.

Ed 460 TEACHING OF THE SOCIAL STUDIES

4 hours. Offered winter term, 1980-81. The objective, curriculum, procedures, evaluation, instructional materials, and resources in teaching social studies including observations and demonstrations.

Ed 475 SUPERVISED TEACHING

12 hours. Offered each term. A laboratory experience in which principles and methods of teaching may be employed under supervision. A full-day, full-term assignment in which direct responsibility for planning and implementing learning activities is provided. Admission by application only.

Ed 485 SELECTED TOPICS

1-3 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

Ed 490 SUPERVISED TEACHING SEMINAR

3 hours. Designed to provide liaison between the college and the public school during the supervised teaching experience. Teaching methods, professional ethics, and self-analysis of teaching behavior will be discussed. Must be taken concurrently with Ed 475 Supervised Teaching. Admission by application only.

INDEPENDENT STUDY COURSES FOR TEACHERS

Descriptions of the courses are provided in a separate brochure. Check the index of this catalog for the program.

Ed 481a TEACHING SURVIVAL SKILLS OF ADDITION AND SUBTRACTION (Grades 2-6) 4 hours.

Ed 481b TEACHING SURVIVAL SKILLS OF MULTIPLICATION AND DIVISION (Grades 3-7) 4 hours.

Ed 481c TEACHING THE SURVIVAL SKILLS USING FRACTIONS, DECIMALS, AND PERCENT (Grades 3-5) 4 hours.

Ed 481d USING MATH BOARDS TO IMPROVE BASIC COMPUTATION SKILLS (Grades K-2) 4 hours.

Ed 481e USING MATH BOARDS TO IMPROVE BASIC COMPUTATION SKILLS (Grades 3-4) 4 hours.

Ed 481f USING MATH BOARDS TO IMPROVE BASIC COMPUTATION SKILLS (Grades 5-8) 4 hours.

Ed 482a TEACHING CONSUMER MATH SKILLS (Grades 3-5) 4 hours.

Ed 482b TEACHING CONSUMER MATH SKILLS (Grades 4-7) 4 hours.

Ed 482c TEACHING CONSUMER MATH SKILLS (Grades 5-8) 4 hours.

Ed 485a INNOVATIONS IN TEACHING MATHEMATICS (Grades K-1) 4 hours.

Ed 485b INNOVATIONS IN TEACHING MATHEMATICS (Grades 2-3) 4 hours.

Ed 485c ARITHMETIC AT THE PROBLEM-SOLVING LEVEL (Grades 1-3) 4 hours.

Ed 485d INNOVATIONS IN TEACHING MATHEMATICS (Grades 3-5) 4 hours.

Ed 485e INDIVIDUALIZING MATHEMATICS INSTRUCTION (Grades 3-5) 4 hours.

Ed 485f INNOVATIONS IN TEACHING MATHEMATICS (Grades 5-9) 4 hours.

Ed 485g INDIVIDUALIZING MATHEMATICS INSTRUCTION (Grades 5-9) 4 hours.

Ed 486a LANGUAGE ARTS ACTIVITIES (Grades 4-8) 4 hours.

Ed 487a INNOVATIONS IN TEACHING PHYSICAL SCIENCE (Grades 3-8) 3 hours.

HEALTH EDUCATION

HE 200 PERSONAL HEALTH

2 hours. Offered 1981-82. The basic scientific principles of healthful living applied to problems confronting children and youth. Emphasis on primary prevention, stress management, personal fitness, nutrition, and human sexuality.

HE 202 PSYCHOLOGY OF EFFECTIVE BEHAVIOR

4 hours. Identical with Psy 202.

HE 210 COMMUNITY HEALTH PROBLEMS

3 hours. Offered 1980-81. A study of community health problems with particular emphasis on environmental and occupational health; child welfare; suicide; venereal disease; population explosion; and the role of governmental and voluntary health agencies.

HE 230 FIRST AID

2 hours. Offered 1981-82. Identical with PE 230

HE 280 MARRIAGE AND FAMILY

4 hours. Identical with Soc 280.

HE 300 NUTRITION

4 hours. Identical with HEc 200/300.

HE 310 THE SCHOOL HEALTH PROGRAM

3 hours. Offered 1981-82. Purposes and procedures of health service and instruction in the schools. Special emphasis on construction of health teaching units and selection of methods and materials.

HE 350 COMMUNICABLE AND NONCOMMUNICABLE DISEASES

2 hours. Offered 1980-81. Stresses the nature, prevention, and control of common diseases. Also deals with the major chronic health problems.

HE 360 DRUG EDUCATION

2 hours. Offered 1981-82. Problems concerned with the use and abuse of selected pharmacological agents. Social, psychological, physical, and moral implications are considered.

HE 380 CONSUMER HEALTH

2 hours. Offered 1980-81. A study of factors affecting consumerism, with emphasis on history, psychosocial factors, alternative healing philosophies, medical care, health insurance, food faddism, weight control myths, arthritis, cosmetics, cancer, medical devices and drugs, and consumer protection.

HE 390 SAFETY EDUCATION

2 hours. Offered 1981-82. Study of behavior related to accidents with emphasis on accident prevention and effective methods in safety education programs.

HE 285/485 SELECTED TOPICS

3 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

PHYSICAL EDUCATION (B.S. Degree)

General Requirements in Physical Education

Six hours of physical education are required to complete the college general education requirement. Students may enroll in only one activity course per term. This requirement may be satisfied in the following ways:

1. One hour physical education activity or adapted activity classes, or two hours of PE 100.
2. Any health class will satisfy two hours of the requirement.
3. Up to three hours may be waived upon successful completion of proficiency tests in selected areas. A current Red Cross Senior Life Saving certificate or a current Red Cross Standard First Aid card will waive two hours without further examination.
4. Two credits toward the six-hour requirement may be earned on intercollegiate athletic teams.
5. All Professional Activity classes meet two hours of the requirement.

Major Requirements

A student must complete a minimum of fifty-eight hours in physical education, thirty-one of which must be upper division courses, including PE 200 History and Principles of Physical Education, PE 221-229, 231 Professional Activities, PE 230 First Aid, PE 320 Adaptive and Corrective Physical Education, PE 330 Organization and Administration of Physical Education, PE 350 Care and Prevention of Athletic Injuries, PE 360 Kinesiology, PE 400 Tests and Measurements in Physical Education, PE 430 Exercise Physiology, PE 441 Motor Development and Motor Skill Learning, PE 475 Field Experience in Physical Education, Ed 410 Teaching of Physical Education, Bi 330 Physiology. Courses selected to satisfy general education requirements should include Bi 101, 102 General Biology, Bi 320 Human Anatomy, Psy 340 Statistical

Procedures, and GE 100 Critical Thinking and Decision Making.

See beginning of chapter for description of secondary teaching major.

Physical Education and Religion

An interdisciplinary major may be elected from the fields of physical education and religion. A minimum of seventy-two term hours is required for the major and may be distributed according to the following options:

Option I—A minimum of thirty-six hours in the Division of Religion (consult division for specific courses and requirements for the Bachelor of Arts degree) and eighteen hours in health and physical education to include PE 227 Professional Activities Aquatics, PE 230 First Aid, PE 370 Methods of Camping or PE 380 Recreational Leadership, PE 475 Field Experience, and eight additional hours selected from PE 300 Organization and Administration of Intramural Sports, PE 229 Professional Activities Rhythms, PE 231 Professional Activities Developmental Activities, Games, and Stunts, Ed 410 Teaching Physical Education, PE 330 Organization and Administration of Physical Education, HE 390 Safety Education, HE 360 Drug Education, HE 202 Psychology of Effective Behavior, PE 370 Methods of Camping or PE 380 Recreational Leadership.

Option II—A minimum of thirty-six hours in health and physical education, to include all the courses in health and physical education listed in Option I and eighteen hours in the Division of Religion.

For either option eighteen hours from one field or nine hours from two fields must be selected from art, education, psychology, music, science, speech, drama, sociology, business, Spanish, and political science.

PE 100-139 PHYSICAL EDUCATION ACTIVITIES

1-2 hours. Six hours of credit required for graduation. (Two hours of health education may be applied to the required six hours.) Instruction in fundamental skills, rules, and strategy. Personal selection may be made from a variety of sports, recreational, and leisure-time activities as they are scheduled each term. Each activity may be repeated once as an advanced number beginning with a "3."

PE 125/135 ADAPTED ACTIVITIES

1 hour. Six hours of credit required for graduation. Offered to those men (125) and women (135) who are unable to participate in regular physical education activities because of physical limitation. A statement from the student's physician is required.

PE 145, 245, 345, 445 ATHLETICS

1 hour. Participation on athletic teams applicable to meeting the general education requirements in physical education. Not more than two hours may be earned in any sport nor more than two hours applied toward general education.

PE 200 HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION

3 hours. Offered 1980-81. A survey of the development of physical education with emphasis upon fundamental principles and modern programs.

PE 221 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1980-81. Advanced instruction in skills, teaching techniques, rules, and strategy for basketball and volleyball.

PE 222 M/W PROFESSIONAL ACTIVITIES

2 hours. Offered 1980-81. Advanced instruction in skills, teaching techniques, rules, and strategy covering touch football and soccer for men and speedball, flag football, and field hockey for women.

PE 223 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1981-82. Advanced instruction in skills, teaching techniques, spotting, and safety factors involved in tumbling and gymnastics.

PE 224 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1980-81. Advanced instruction in skills, teaching techniques, rules, and strategy for softball and track.

PE 225 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1981-82. Advanced instruction in skills, teaching techniques, rules, and strategy covering badminton and bowling.

PE 226 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1981-82. Advanced skills and game techniques in tennis and golf with tournament organization and administration applied.

PE 227 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1981-82. Advanced skills in aquatics dealing with water safety and performance strokes as well as water games.

PE 228 M/W PROFESSIONAL ACTIVITIES

2 hours. Offered 1981-82. Advanced instruction in skills, teaching techniques, and strategy relating to wrestling and conditioning for men; and movement, body mechanics, and conditioning for women.

PE 229 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1980-81. Advanced skills in folk rhythms, international folk games, and basic forms of locomotion.

PE 230 FIRST AID

2 hours. Offered 1981-82. Instruction in first aid, leading to the standard American Red Cross certificate.

PE 231 DEVELOPMENTAL ACTIVITIES, GAMES, AND STUNTS

2 hours. Offered 1981-82. Emphasis on teaching and development of mechanics of movement, games of low organization, fundamental sports skills, stunts and tumbling, and self-testing activities.

PE 232 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1980-81. Advanced instruction in archery, handball, and recreational games.

PE 300 ORGANIZATION AND ADMINISTRATION OF INTRAMURAL PROGRAMS

2 hours. A study of the construction of intramural programs including objectives, methods, materials, and typical problems. Laboratory experience in the college intramural program.

PE 320 ADAPTED AND CORRECTIVE PHYSICAL EDUCATION

2 hours. Offered 1980-81. Special instruction in the nature and background of handicapping conditions and the implementation of suitable activity programs.

PE 330 THE ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION

3 hours. Offered 1980-81. Instruction in the planning and implementing of programs of physical education including designing the curriculum, budgeting and purchasing, and using buildings, grounds, and recreational areas. Professionalism in conduct and ethics is stressed.

PE 340 M/W RULES AND OFFICIATING

2 hours. Offered 1980-81. Theoretical and practical experience in officiating basketball and football for men and volleyball and field hockey or softball for women. Emphasis on techniques and professional ethics.

PE 350 THE CARE AND PREVENTION OF ATHLETIC INJURIES

3 hours. A course dealing with the prevention of, first aid for, and therapy for athletic injuries. Special attention is given to the organization and management of the training room.

PE 352 ADVANCED ATHLETIC TRAINING

3 hours. Advanced study on the procedures of care and recognition of athletic injuries. Includes use of modalities and strapping procedures, as well as methods of injury prevention. Prerequisite: PE 350 Care and Prevention.

PE 355 ATHLETIC TRAINING PRACTICUM

9-12 hours. Practical work in the training room and with various athletic teams. Includes taping and strapping, use of modalities in injury treatment, first aid treatment of injuries, and training room management. Each term will be devoted to a major area of study. Prerequisite: PE Care and Prevention, Advanced Athletic Training.

PE 360 KINESIOLOGY

3 hours. Offered 1980-81. Application of human anatomy and physical laws to the explanation of movement activities. Special emphasis is given to detailed analysis of various sports activities. Prerequisite: Bi 320.

PE 370 METHODS OF CAMPING

3 hours. Identical with CM 370.

PE 380 RECREATIONAL LEADERSHIP

3 hours. Offered 1981-82. An application of leadership techniques, methods, and materials to recreational activities for home, school, church, camp, and community.

PE 390 SAFETY EDUCATION

2 hours. Offered 1981-82. Identical with HE 390.

PE 400 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION

3 hours. Offered 1980-81. Emphasis is given to the importance of evaluation in programs of physical education. Testing procedures, standard tests, physical examinations, and evaluation activities are discussed. Prerequisite: Psy 340 Statistical Procedures.

PE 410 COACHING OF FOOTBALL

2 hours. Offered 1980-81. An analysis of systems of play, principles of offense and defense, and strategies of the game. The organization of practice sessions, administration of games, and techniques of scouting are stressed.

PE 420 COACHING OF BASKETBALL

2 hours. Offered 1981-82. An analysis of systems of play, principles of offense and defense, and strategies of the game. The organization of practice sessions, ad-

ministration of games, and techniques of scouting are stressed.

PE 430 EXERCISE PHYSIOLOGY

3 hours. Offered 1981-82. Application of principles of physiology to physical activity. Special attention is given to the effect of exercise on the various body systems and the construction of training programs. Prerequisite: Bi 330.

PE 440 CAMP ADMINISTRATION

3 hours. Offered 1981-82. Identical with CM 480.

PE 441 MOTOR DEVELOPMENT AND MOTOR SKILL LEARNING

2 hours. A study of the development of motor skills with specific application of the psychological principles of learning to motor skill learning. A review of research and an inquiry into the effect of various conditions on the learning and performance of motor skills from early childhood through the adult years.

PE 450 COACHING OF BASEBALL

2 hours. Offered 1980-81. A study of systems of play, principles of offense and defense, and strategies of the game. The organization of practice sessions, administration of games, and the techniques of scouting are stressed.

PE 460 COACHING OF TRACK AND FIELD

2 hours. Offered 1981-82. A study of the principles of coaching each event. The organization of practice sessions and the strategy for, and administration of, meets.

PE 470 PHILOSOPHY OF COACHING

2 hours. Offered 1980-81.

PE 475 FIELD EXPERIENCE IN HEALTH, PHYSICAL EDUCATION, AND RECREATION

1.5 hours. Supervised experience in health, physical education, or recreation institutions. Prerequisite: Consent of instructor.

PE 485 SELECTED TOPICS

3 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

PE 295/495 SPECIAL STUDY

1-3 hours. Individual research under the guidance of the faculty. Prerequisite: Consent of instructor.

DIVISION OF FINE AND APPLIED ARTS

Basic objectives of the division are:

1. To give students an opportunity to acquire an appreciation of art, a knowledge of art fundamentals, and a basic foundation for further study in art.
2. To give students an opportunity to acquire an appreciation of music through chapel programs, recitals, and concerts.
3. To give all students an understanding of music through general courses such as Survey of Music, Applied Music, Music Ensembles.
4. To equip talented students with skills needed to pursue a career in music.

ART

GE 120 SURVEY OF ART

2 hours. A survey of the elements and concepts of art theory and practice as reflected in culturally and historically significant painting, sculpture, architecture, and other art forms.

AA 111, 112 BASIC DESIGN

2 hours each term. First quarter, introduction to two-dimensional design with a focus on line, color, form, and other aspects of two-dimensional design in graphics. Second quarter, introduction to three-dimensional design as it applies to sculptural forms in stone, clay, wood, and plaster.

AA 210, 220, 230 CERAMICS

2 hours each term. First quarter, introduction to techniques of pinch, coil, and slab, and basic glazing processes. Second quarter, continuation of hand-building techniques, including design aspects and various glazing techniques. Third quarter, wheel-thrown work with instruction in glaze mixing, firing, and stacking the kiln, and clay prospecting.

AA 211, 212, 213 STUDIO ART

2 hours each term. Fall term, primary focus on drawing techniques using charcoal, pencil, pen and ink, and washes. Winter term, introduction to techniques in painting, sculpture, and silkscreen printing. Instruction will be individualized. Spring term, continuation of winter term media study.

AA 222 CRAFTS

2 hours. Focus on crafts using natural materials, creative approaches to discarded materials, and development of techniques and methods in crafts.

AA 231, 232/331, 332 CALLIGRAPHY (Lettering)

2 hours each term. First term, study of the Italic alphabet using the edged pen. Introduction to variations of Italic and Roman cap alphabet. Second term, study of Roman, Uncial, Textura, and Gothic cursive alphabets. Emphasis on work for reproduction. First term prerequisite to second term.

AA 285 SELECTED TOPICS

1-3 hours. A lecture/studio class that will deal with areas of interest in the art field, such as silkscreen printing, wood block printing, calligraphy/the illuminated letter, and book binding/paper making.

AA 295/495 SPECIAL STUDY

1-3 hours per term. Special projects in art by permission of the instructor.

MUSIC (B.A. Degree)

Major Requirements

A student must complete a minimum of fifty-seven term hours in music in addition to private lessons and ensemble classes. Students also must pass a piano proficiency test. Mus 121, 122 Theory I fulfills the symbols requirement in general education. Required courses: Mus 117, 118, 119 Introduction to Music Literature; Mus 123 Theory I; Mus 221, 222, 223 Theory II; Mus 200 Elementary Conducting; Mus 311, 312, 313 Music History; Mus 310 Counterpoint; Mus 320 Form and Analysis; Mus 420 Composition; and Mus 491, 492 Senior Seminar. Students must enroll in an applied lesson and a large ensemble each term they are registered as a major.

See the Division of Education for description of requirements for secondary teaching majors and minors.

Interdisciplinary Majors (B.A. Degree)

Music and Religion. An interdisciplinary major may be elected from the fields of music and religion. A minimum of seventy-two term hours is required for the Music and Religion major and must be distributed as follows: a minimum of thirty-six hours in music; eighteen hours in religion; and nine hours in two of the following fields: art, education, psychology, science, communication arts, drama, sociology, business, Spanish, political science, and physical education. A

student may elect one eighteen-hour block rather than two nine-hour blocks. The required eighteen hours for a Religion/Music major include Theory I, Elementary Conducting, Church Music, Hymnology, Vocal Techniques, and Ensemble (two terms). The required thirty-six hours for a Music/Religion major include, in addition to the above, Music History, Folk Instrument (guitar) Techniques, Senior Seminar, Applied Lessons (three terms), and Ensemble (four terms). The eighteen hours taken in the Division of Religion may be chosen from the fields of Christian ministries, Bible, philosophy, and religion after consultation with the religion faculty.

Religion and Music. See Division V for description of the Religion and Music major.

Minor Requirements

A student must complete a minimum of twenty-one term hours in addition to two years of private lessons and ensemble experience. Required courses: Mus 117, 118, 119 Introduction to Music Literature; Mus 121, 122, 123 Theory I; and three hours of music elective.

Applied Music

Individual instruction is offered in piano, organ, strings, woodwinds, brass, percussion, and guitar. Private lessons carry one term hour credit for one lesson per week. Music majors are required to enroll in applied music lessons each term they are listed as a major. Music Education majors are required to enroll in applied lessons for two years or until they complete a half recital. All students enter the applied program at the 100 level and automatically advance to the 200 level. However, before being advanced to upper division study, the student must pass a faculty jury. All students are expected to perform periodically in studio or public recital. However, no student who has not advanced to upper division study levels will be permitted to present a full or half recital.

Mus 105, 205, 305, 405 VOICE

1 hour. Study of proper voice production with emphasis on posture, breathing, and resonance. Studies



from the standard repertoires including English songs, Italian classics, German lieder, French art songs, oratorio and operatic arias, and selected contemporary works.

Mus 105, 205, 305, 405 PIANO

1 hour. Technical exercises, scales, and arpeggios in various rhythms, etudes of varying difficulty such as those by Duvernoy, Burgmuller, Heller, Czerny, and Clementi. Preludes and fugues, suites and partitas, and Bach's inventions. Sonatas by Mozart, Haydn, Beethoven, and Schubert. Selected concertos. Compositions by romantic and modern composers.

Mus 105, 205, 305, 405 ORGAN

1 hour. Basic study of pedal and manual techniques. Standard works from the Baroque, Classic, Romantic, and Modern periods.

Mus 105, 205, 305, 405 STRINGS

1 hour. Instruction of violin, viola, cello, and string bass. Basic fundamentals, posture, bow and arm techniques, shifting, and vibrato. Scales and arpeggios. Representative studies. Sonatas and concertos. Orchestral studies.

Mus 105, 205, 305, 405 WOODWINDS

1 hour. Instruction on flute, clarinet, oboe, and bassoon. Tone production, scales, and arpeggios in various articulations. Technical studies. Works from the standard solo repertoire. Orchestral studies.

Mus 105, 205, 305, 405 BRASS

1 hour. Instruction on trumpet, French horn, trombone, baritone, and tuba. Emphasis upon breath control, tone production, embouchure development, and tonguing techniques. Technical studies and solo works selected from representative composers with respect to the student's performing level.

Mus 105, 205, 305, 405 PERCUSSION

1 hour. Instruction on snare drum and various percussion instruments. Reference study of all percussion instruments used in concert band and symphony orchestra performances.

Mus 105, 205, 305, 405 GUITAR

1 hour. Study of playing techniques with emphasis on chordal knowledge and basic strums. Solos and ensemble pieces will be included for each student at his performance level.

Ensemble Music

Mus 115, 215, 315, 415 ORATORIO CHOIR

½ hour. The oratorio choir is open to all college students and performs sacred music for large choirs. Performances are usually accompanied by the college orchestra.

Mus 125, 225, 325, 425 A CAPPELLA CHOIR

1 or ½ hour. The a cappella choir consists of students selected by audition. Representative choral music from the Renaissance to the twentieth century is studied. An extended choir tour is made each year.

Mus 125s, 225s, 325s, 425s MUSIC THEATRE

1 or ½ hour. This course is for the training of music students in the performance of staged musical dramas, operas, church and Broadway musicals. Two productions will be presented each year.

Mus 135, 235, 335, 435 NEW VISION SINGERS

1 or ½ hour. This ensemble performs in winter and spring terms for church and community organizations.

Mus 135s, 235s, 335s, 435s VOCAL ENSEMBLE

½ hour. Summer touring ensembles, chamber choir, women's ensemble, or any small vocal ensemble directed by music faculty. Prerequisite: audition before vocal music faculty.

Mus 145, 245, 345, 445 CONCERT BAND

1 or ½ hour. Standard band works are performed at three annual concerts. An extended tour is made each year. Admission by consent of the instructor.

Mus 145s, 245s, 345s, 445s JAZZ ENSEMBLE

1 or ½ hour. A course to train music educators in jazz literature through performance for athletic events and public concerts.

Mus 155, 255, 355, 455 ORCHESTRA

½ hour. Literature for the small orchestra is performed at two formal concerts in the spring. The orchestra also provides the accompaniment for the oratorio choir in the fall.

Mus 165, 265, 365, 465 WIND ENSEMBLE

1 or ½ hour. Repertoire for small band and wind instrumental combinations provides the literature of this performing group. Admission by consent of instructor.

Mus 165s, 265s, 365s, 465s INSTRUMENTAL ENSEMBLE

½ hour. Each ensemble will be auditioned and supervised by a music faculty member.

Music Theory and Literature

GE 110 SURVEY OF MUSIC

2 hours. A survey of the important historical periods of music designed to acquaint the liberal arts student with the major composers and their representative works. Identical with Mus 112 Music Fundamentals.

Mus 111, 112, 113 MUSIC FUNDAMENTALS

2 hours each term. Fall term, Mus 111, elementary theory, a study of the principles of notation, melody, rhythm, scales, and chords. Winter term Mus 112, identical with GE 110 Survey of Music. Spring term, Mus 113, methods for teaching music in the elementary school.

Mus 117, 118, 119 INTRODUCTION TO MUSIC LITERATURE

2 hours each term. A course to develop music appreciation through extensive listening to standard works. Study of vocal and instrumental forms and styles of the various periods.

Mus 121, 122, 123 THEORY I

4 hours each term. An integrated course in basic musicianship, ear training, sight singing, dictation, keyboard harmony, analysis, and part writing. Includes all diatonic harmonies and simple modulations.

Mus 130 CLASS PIANO

1 hour. May be repeated for credit. Elementary to intermediate level class instruction in piano. Required of (1) music (teaching) majors unless waived by demonstration of acceptable proficiency; (2) any student desiring applied piano who has not yet reached the entrance level of proficiency.

Mus 200 ELEMENTARY CONDUCTING

2 hours. Emphasis on mastery of simple conducting patterns, cues, expressive gestures, and common problems in leading group singing and small instrumental ensembles.

Mus 210 STRING TECHNIQUES

1 hour. Offered 1981-82. Elementary class instruction in the techniques of playing stringed instruments (one term of violin and one of cello are offered) to provide adequate teaching knowledge.

Mus 220 FOLK INSTRUMENT TECHNIQUES

1 hour. Offered 1980-81. Elementary class instruction in the techniques of playing folk guitar to provide adequate teaching knowledge.

Mus 221, 222, 223/321, 322, 323 THEORY II

4 hours each term. A continuation of Theory I. Includes chromatic harmonies and remote modulations. Introduction to twentieth century harmonic usage. Creative work is required. Prerequisite: Mus 121, 122, 123.

Mus 230 WOODWIND TECHNIQUES

1 hour. Offered 1980-81. Elementary class instruction in the techniques of playing woodwind instruments (one term of clarinet and one of flute are offered) to provide adequate teaching knowledge.

Mus 250 BRASS TECHNIQUES

1 hour. Offered 1981-82. Elementary class instruction in the technique of playing brass instruments to provide adequate teaching knowledge.

Mus 260 PERCUSSION TECHNIQUES

1 hour. Offered 1980-81. Elementary class instruction in the techniques of playing percussion instruments to provide adequate teaching knowledge.

Mus 270 VOCAL TECHNIQUES

1 hour. Offered 1981-82. Elementary class instruction in the techniques of singing to provide adequate teaching knowledge. Recommended for the beginning voice student to gain a knowledge of basic singing techniques.

Mus 275 FIELD EXPERIENCE

1-5 hours. Supervised experience as music apprentice in church or community position. Prerequisite: consent of advisor and division chairman.

Mus 310 COUNTERPOINT

3 hours. Offered 1980-81. Principles of eighteenth century polyphony. Detailed study of the works of J.S. Bach and his contemporaries. Original composition required. Recommended for all music majors.

Mus 311, 312, 313 MUSIC HISTORY

3 hours each term. Offered 1980-81. A study of the development of music from antiquity through the twentieth century. Comparisons are made to the development of the other arts. Concentrated study of music literature emphasizing the change in musical styles during the different historical periods. Prerequisites: Mus 121, 122, 123.

Mus 320 FORM AND ANALYSIS

3 hours. Offered 1981-82. Detailed study of the structural components of music, including the motive, phrase, and period. Application to principal con-



trapuntal and homophonic forms of the Classic, Romantic, and Modern periods. Prerequisites: Mus 121, 122, 123 and Mus 221, 222, 223.

Mus 340 CHURCH MUSIC

3 hours. Offered 1981-82. A study of the place, function, and contribution of music in the church with emphasis on current trends in contemporary church music. Required of interdisciplinary majors and recommended for any student anticipating a church vocation.

Mus 350 HYMNOLOGY

3 hours. Offered 1980-81. A historical study of the music of the Bible, pre-Reformation, post-Reformation, and modern hymns. Required of interdisciplinary majors and recommended to all students interested in the music of the church.

GE 375 CULTURAL EXPERIENCE

Maximum 15 hours. Supervised experience in a cultural setting that contributes to the educational goals of the student. Prerequisite: consent of advisor and division chairman.

Mus 410 INSTRUMENTATION AND ORCHESTRATION

3 hours. Offered 1980-81. A study of the instruments of the orchestra and band including their ranges, characteristics, and capabilities. Practical application of the principles of arranging and scoring for orchestra-band instrumental combinations. Prerequisites: Mus 121, 122, 123 and Mus 221, 222, 223.

Mus 420 COMPOSITION

3 hours. Offered 1980-81. Detailed study of representative works in the contemporary musical idiom and creative writing in the smaller forms. Prerequisites: Mus 121, 122, 123 and Mus 221, 222, 223.

Mus 430 INSTRUMENTAL CONDUCTING

2 hours. Offered 1981-82. Designed to acquaint the student with the intricacies of directing band, orchestra, and instrumental ensembles. Basic conducting patterns are reviewed, literature of the aforementioned ensembles is covered, and some practical experience is given with the college band and small instrumental ensembles. Prerequisite: Mus 200.

Mus 450 CHORAL CONDUCTING

2 hours. Offered 1980-81. Designed primarily for music majors. Advanced work in traditional and modern patterns of conducting, syncopation, cueing, and expressive gestures. Practical experience in direct-

ing the a cappella choir is provided. Prerequisite: Mus 200.

Mus 475 FIELD EXPERIENCE

1-5 hours. Supervised experience in music apprenticeship as conductor, performer, composer, etc. Prerequisite: consent of music faculty.

Mus 485 SELECTED TOPICS

1-3 hours. A seminar lecture class concerned with current faculty interests and areas of research. Topics available are keyboard pedagogy, keyboard improvisation, piano technician, language orientation for the singer, contemporary literature, moog synthesizer, vocal pedagogy, history of Black music, and chamber, symphonic, and choral literature.

Mus 491, 492 SENIOR SEMINAR

1 hour fall term, 2 hours winter term. Fall term is designed to bring music majors together for seminar sessions. Winter term is designed to have each student prepare a project, which will be presented before an audience and filed permanently in the music department.

Mus 495 SPECIAL STUDY

1-5 hours. Individual research under the guidance of the faculty. Prerequisite: consent of music faculty.



DIVISION OF LANGUAGE ARTS

The Division of Language Arts is concerned particularly with the arts and letters that investigate, practice, and celebrate the central place of symbols in the human experience. The division's offerings focus on various contexts in which man's role as symbol-user is predominant: literature, language, theatre, speech communication, mass communication, and writing. Infusing the division's approach to the language arts is a commitment to discover and apply the values of Christian revelation.

Basic objectives of the division are:

1. To help students to understand the process of communication as it occurs in intrapersonal, interpersonal, and public settings.
2. To provide structured opportunities for students to practice and develop oral, written, and nonverbal communication skills.
3. To introduce students to the philosophical, sociological, aesthetic, and ethical implications of traditional and modern media of communication.
4. To acquaint students with the language, attitudes, and ideas of Hispanic and Greek culture.
5. To focus student attention on the intellectual, emotional, and aesthetic understanding and appreciation of literature in a variety of genres, over a broad expanse of time, and reflecting a spectrum of literate thought.
6. To prepare students for employment or graduate study in fields where knowledge and skills in the language arts are requisite: e.g., teaching, writing, editing, publishing, library science, clergy, law, theatre arts, broadcasting, politics, and numerous other professions.

Major Requirements

The Division of Language Arts offers majors in Communication Arts, Literature, and Writing/Literature as well as a secondary teaching major in Language Arts. (See Division of Education for description of teaching programs.)

Students selecting any of these majors will complete the requirements specified in General Education for the B.A. degree and complete the requirements specified in the major selected. (See each major for specific requirements.)

COMMUNICATION ARTS (B.A. Degree)

Communication Arts features an interdisciplinary approach to communication that integrates the interests of speech communication, drama, journalism, and media with a common core of courses in communication and rhetorical theory.

Major Requirements

Total major hours: Fifty-six hours (24 hours lower division, 32 hours upper division). Communication Arts majors must take Psy 201 General Psychology as part of the General Education program. Soc 201 Principles of Sociology and Psy 340 Statistical Procedures are recommended.

Core Courses: The following courses are required of all Communication Arts majors: CA 110 Interpersonal Communication; CA 300 Communication Theory; CA 400 Critical Approaches to Communication; CA 410 The Interface of Christianity and Communication Arts.

Communication Practicum: Twelve hours of practicum courses are required for all Communication Arts majors, eight of which must be off-campus experiences. CA 275 (4 hours) and CA 475 (4 hours) are required plus four additional hours from among CA 125/325 Theater Laboratory; CA 165/365 Drama Touring Group; CA 205/305 Communication Workshop; CA 315 Publications Practicum; CA 335 Advanced Television Production.

Electives: Communication Arts majors must choose from approved electives at least twenty-eight hours, including sufficient upper division work to total thirty-two hours when added to upper division courses in the core and practicum. Note: In no case may more

than four hours of elective credit in the major be earned in practicum courses in addition to the twelve hours specified under "Communication Practicum."

CA 110 BRIDGES, NOT WALLS: AN INTRODUCTION TO INTERPERSONAL COMMUNICATION

4 hours. Introduction to theory and practice of dyadic and small group communication through preparation of and participation in interpersonal communication experiences. Attention given to intrapersonal communication, nonverbal communication, and listening behavior.

CA 111 THE RHETORICAL IDIOM: AN INTRODUCTION TO PUBLIC COMMUNICATION

4 hours. Introduction to speech communication in semiformal and formal settings. Emphasis upon analysis of rhetorical situations, design of rhetorical strategies, and evaluation of communicative efforts. Students will prepare and deliver speeches in several rhetorical contexts.

CA 120 THE MAGIC IF: AN INTRODUCTION TO ACTING

4 hours. Offered 1981-82. Study of basic principles of acting, including survey of acting theories, performance of scenes, critical observation, analysis and criticism of productions.

CA 125/325a,b,c ONSTAGE, BACKSTAGE: THEATRE LABORATORY

1-2 hours. The practical application of theatre techniques in connection with dramatic productions. Open to any student taking part in productions. "a" denotes acting, "b" directing, "c" technical options. Maximum twelve hours total.

CA 160/360 THE ACTOR AS PLAYWRIGHT: IMPROVISATIONAL ACTING WORKSHOP

2 hours. Focus on development of improvisational acting skills through structured and directed psychological, physical, and social exercises. May be repeated once for credit.

CA 165/365 INTER-MISSION: DRAMA TOURING GROUP

1 hour each, winter and spring terms. Entrance by tryout for the current religious drama touring group. Students are expected to remain with the troupe the entire year. Must be taken on a pass-no pass basis. Maximum four hours total.

CA 205/305 CREATIVITY STREET: COMMUNICATION WORKSHOP

4 hours. A course designed to provide supervised on-campus practical communication experiences in the form of student projects in journalism, format design, photography, editorial writing, media production, radio, and public speaking. A maximum of eight hours credit may be earned. Prerequisite: CA 110 or 111.

CA 220 THE STAGE IS A WORLD: INTRODUCTION TO THE THEATRE

4 hours. Offered 1980-81. Basic survey of the development of theatre from its beginnings to the contemporary. Consideration of its literary, acting, directing, and technical components.

CA 221 WORD-STITCHING, TALE-TELLING: AN INTRODUCTION TO THE ORAL INTERPRETATION OF LITERATURE

4 hours. Offered 1981-82. Introduction to the aesthetic basis of speech communication through the analysis and oral presentation of various genres of literature. Attention given to the development of skills requisite to understanding literature and communicating its levels of meaning by reading aloud. Includes consideration of oral reading of biblical literature.

CA 231/331 BEHIND THE GLOWING EYE: AN INTRODUCTION TO TELEVISION PRODUCTION

4 hours. An introduction to the elements involved in the production of a television program, including pre-production planning, production in the studio and on location, and postproduction procedures. The course includes supervised laboratory experience. Permission of instructor is required for upper division credit.

CA 275/475 FIELD EXPERIENCE

1-15 hours may be earned at the discretion of the department and chairman of the division, eight hours of which may apply to the Communication Arts major. Students must have the instructor's permission to register for the course. Attendance at a weekly seminar is required in addition to the demands of field placement.

CA 285/485 SELECTED TOPICS

4 hours. A variety of topics may be offered that reflect interests of faculty, visiting professors, or recent issues in communication. Prerequisite: CA 110, 111, or 300. Permission of instructor is required for upper division credit.

CA 300 NO GAPS: AN INTRODUCTION TO COMMUNICATION THEORY

4 hours. Offered 1981-82. Study of the process and theories of communication from classical and modern perspectives. Historical development of major rhetorical theories. Consideration of current knowledge in intrapersonal, interpersonal, public, and cross-cultural communication. Prerequisite: CA 110 or 111.

CA 310 VISIONS AND UNVISIONS: STUDIES IN PERSUASIVE COMMUNICATION

4 hours. Offered 1980-81. Focus on methods of attitude change in public discourse, small group communication, and mass media. Critical examination of propaganda techniques. Analysis of current behavioral research in persuasion. Preparation of student speeches and other rhetorical efforts intended to influence attitudes. Prerequisite: CA 110, 111, or 300.

CA 311 THE BUSINESS OF COMMUNICATING: AN INTRODUCTION TO ORGANIZATIONAL COMMUNICATION

4 hours. Offered 1980-81. A study of interpersonal, small group, and public communication in business settings. Prerequisite: CA 110 or 111.

CA 315 THE POISED PEN: PUBLICATIONS PRACTICUM

1 hour each term. An advanced course in the producing of student publications including the newspaper and yearbook. Entrance by permission of instructor. Maximum six hours credit. Must be taken on pass-no pass basis.

CA 320 VERISIMILITUDE AND BEYOND: ADVANCED APPROACHES TO ACTING

4 hours. Offered 1980-81. Problems of characterization, styles, and characteristics of acting in various dramatic media; emphasis on improvisations; instruction in movement and timing; presentation of scenes of various types. Additional hours required. Prerequisite: CA 120 or permission of instructor.

CA 321 THEATRE AS MINISTRY: DEVELOPMENTAL THEATRE

4 hours. Offered 1981-82. A consideration of theatre skills as tools for meeting human needs in essentially nontheatrical environments. Focus on drama as a service medium rather than as strictly an entertainment vehicle.

CA 330 HUNGRY EYES AND THIRSTY EARS: STUDIES IN MASS MEDIA AND POPULAR CULTURE

4 hours. Offered 1981-82. Survey of the historical development of newspapers, magazines, broadcast media, and cinema. Analysis of the role(s) of mass media in shaping and altering opinion and values in contemporary culture.

CA 335 BEYOND TECHNIQUE: ADVANCED TELEVISION PRODUCTION

1-2 hours. Practical application of techniques used in broadcast and nonbroadcast television. Students will participate as personnel in various areas of production. Up to six hours of credit may be earned. Prerequisite: CA 231/331.

CA 340 THE ROOTS OF SYMBOLISM: GENERAL AND CULTURAL LINGUISTICS

4 hours. Offered 1981-82. A course focusing on the development of modern linguistic theories, including consideration of the history of the English language. The International Phonetic Alphabet will be studied as a tool for the examination of rhetorical style.

CA 400 THE MANY-WINDOWED HOUSE: CRITICAL APPROACHES TO COMMUNICATION

4 hours. Offered 1981-82. Methods of rhetorical criticism as applied to public communication of the past and present including, but not limited to, speeches, broadcasts, films, and campaigns. Analysis of current trends in rhetorical criticism. Prerequisite: CA 300 and either CA 310 or 330, or permission of instructor.

CA 410 NO MAN'S LAND: STUDIES IN THE INTERFACE OF CHRISTIANITY AND COMMUNICATION ARTS

4 hours. Offered 1980-81. Assessment of the impact of various modes of communication on contemporary Christianity. Historical perspective of communication formats used by the church. Prerequisite: CA 300 or permission of instructor.

CA 495 INDIVIDUAL RESEARCH

1-4 hours may be earned at the discretion of the department and chairman of the division. Students must have permission to register for the course. Must be taken on a pass-no basis.

LANGUAGES: GREEK

Gr 101, 102, 103 FIRST-YEAR NEW TESTAMENT GREEK

4 hours each term. Offered 1980-81. A beginner's course in the Greek of the New Testament, including vocabulary, grammar, declensions, conjugations, and special constructions. The First Epistle of John and various other selections from the New Testament are read.

Gr 201, 202, 203 SECOND-YEAR NEW TESTAMENT GREEK

4 hours each term. Offered 1981-82. Review of the Greek grammar and advanced studies. Selections from the Greek New Testament are read, with attention to grammar and exegesis. Identical with B 201, 202, 203. Prerequisite: Gr 101, 102, 103 First-year New Testament Greek.

Gr 301, 302, 303 NEW TESTAMENT GREEK

4 hours each term. Offered 1981-82. Identical with Gr 201, 202, 203, but upper division.

LANGUAGES: SPANISH

Spn 101, 102, 103 FIRST-YEAR SPANISH

4 hours each term. Offered 1980-81. Elementary practice in listening, speaking, reading, and writing Spanish. A study of the elements of grammar. Regular laboratory practice.

Spn 201, 202, 203 INTERMEDIATE SPANISH

4 hours each term. Offered 1981-82. An extension of listening, speaking, and writing with review of grammar. Reading of short stories and essays with reports and individual projects. Regular laboratory practice.

Spn 295 INDIVIDUAL RESEARCH OR FIELD WORK

1-6 hours may be earned for work taken in a Spanish-speaking institution of higher learning. Courses taken must be in conversation and grammar and must be approved in advance by the language instructor and the chairman of the division.

LITERATURE (B.A. Degree)

Major Requirements

To complete the minimum of fifty-six hours (minimum 32 hours upper division), the student should select courses that will provide a balanced historical and generic appreciation and understanding of the development of literature. In addition to the required

literature curriculum, literature majors are advised to consider the following courses that help establish an ideological basis for literary studies: Phil 210 Introduction to Philosophy; Hst 331, 332 England; and Hst 481, 482 American Thought and Culture.

The following courses are required for all literature majors: Lit 201, 202 English Literary Heritage, Lit 311 The Development of American Prose, Lit 312 The Development of American Poetry, Lit 251 or 252 Masterpieces of World Literature, Lit 344 The Shapes of Literature, Lit 381 Shakespeare, four hours in contemporary literature, CA 340 General and Cultural Linguistics, an upper division writing course, and sixteen hours of literature electives.

Lit 201, 202 THIS SCEPTERED ISLE: THE ENGLISH LITERARY HERITAGE

4 hours each term. Offered 1981-82. A historic survey of the literature of "Merrie Englande," from Anglo-Saxon to modern times. Themes, movements, and genres will be discussed as they form the rich tapestry of the literature of our native tongue.

Lit 240 THE IMAGINATIVE RESPONSE: MAJOR THEMES IN LITERATURE

4 hours. A course that introduces the student to some of the major themes common in literature. Included will be some study of the major forms of literature.

Lit 251, 252 THE HUMAN CONDITION: MASTERPIECES OF WORLD LITERATURE

4 hours each term. Offered 1980-81. A survey of selected Western and non-Western literature from the classical to modern periods stressing those themes and forms that exemplify the ideals and concerns of our shared human condition.

Lit 255/455 MERE CHRISTIANS: C. S. LEWIS AND HIS CIRCLE

4 hours. Offered 1980-81. Primary focus on Lewis's fiction, essays, and didactic literature, with secondary focus on work by his Christian colleagues paired alternately with him.

Lit 256/456 FAITH INTO ART: CHRISTIAN MOTIFS IN LITERATURE

4 hours. Offered 1981-82. Consideration of selected writers from the Age of Faith to our own times who attempt to understand and express Christian faith.

Lit 285/485 PEARLS OF PRICE: SELECTED LITERARY TOPICS

4 hours. A course offered occasionally whereby professors and students may investigate interesting lit-

erary byways. Past selections have included studies in science-fiction and the literature of human rights, and such authors as C. S. Lewis, Charles Williams, J. R. R. Tolkien, and Alexander Solzhenitsyn.

LIT 311 ON NATIVE SOIL: THE DEVELOPMENT OF AMERICAN PROSE

4 hours. Offered 1980-81. An examination of American novelists and prose writers from Revolutionary days to the twentieth century, emphasizing America's unique historical and cultural contributions to prose literature. Examples from significant minority writers will be a part of the course.

Lit 312 THE NATIVE MUSE: THE DEVELOPMENT OF AMERICAN POETRY

4 hours. Offered 1980-81. Examination of the major cultural movements in American history as reflected in its poetry. From Puritan declaimers through revolutionary satirists and romantic singers to twentieth century troubadours, the course wanders the maze of "America's poetic diversity." The poetry of significant writers among America's minorities will be included in the course.

Lit 324 ALIENATION AND BEYOND: CONTEMPORARY DRAMA

4 hours. Offered 1980-81. A study of selected European and American drama since World War II, including writers from Albee to Zindel.

Lit 344 BEGINNING MATTERS: THE SHAPES OF LITERATURE

4 hours. Offered 1980-81. A generic study of literature offering theoretical and practical experience with prose, poetry, and drama. Emphasis on the distinct forms of poetry and its language; novels and how they are read for pleasure and profit; drama and its appreciation.

Lit 373/473 ECHOES IN THE VOID: THE TWENTIETH CENTURY NOVEL

4 hours. Offered 1981-82. An examination of the main trends in twentieth century novel writing. The course includes an introduction to selected European, English, and American novelists as they relate through common themes.

Lit 374/474 ANGUISH AND AFFIRMATION: TWENTIETH CENTURY POETRY

4 hours. Offered 1981-82. An examination of British and American poetry from the turn of the century to the present. Some consideration in translation of significant non-English writers of this period.

Lit 381 THE MIRROR UP TO NATURE: SHAKESPEARE

4 hours. Offered 1981-82. A study of Shakespeare's major plays.

WRITING/LITERATURE (B.A. Degree)

The Writing/Literature major is a program focusing on writing, literature, communication, and other related liberal arts courses for students with writing or writing-oriented career interests.

Major Requirements

Total Major Hours: Fifty-six hours (minimum 32 hours upper division). Writing/Literature majors should take Psy 201 General Psychology and Hst 481, 482 American Thought and Culture as part of their general education requirements. Phl 210 Introduction to Philosophy is recommended.

Writing Core Courses: The following are required of all Writing/Literature majors: Wr 310 Advanced Writing Techniques, Wr 350 Creative Writing, and Wr 490 Senior Writing Project.

Literature Core Courses: The following are required of all Writing/ Literature majors: Lit 240 Major Themes in Literature, Lit 344 The Shapes of Literature, and Lit 456 Christian Motifs in Literature.

Communication Core Courses: The following are required of all Writing/Literature majors: CA 330 Mass Media and Popular Culture and CA 340 General and Cultural Linguistics.

Writing and Communication Practicum: Eight hours of practicum courses are required of all Writing/ Literature majors, four hours of which will be Wr 275/475 Field Experience. In addition, four hours will be chosen from one or more of the following: CA 205/305 Communication Workshop, CA 335 Advanced Television Production, CA 315 Publications Practicum, CA 125/325 Theatre Laboratory, and Wr 295/495 Independent Study.

Writing Electives: The student will choose at least eight hours from writing courses offered in the division and not taken to fulfill core or practicum requirements.

Literature Electives: The student will choose at least eight hours from literature offerings not taken to fulfill core requirements.

Wr 95 WRITING RIGHT: ENGLISH SKILLS

1-4 hours credit. Offered each term. Individualized laboratory classes devoted respectively to reading, spelling, composition, and research skills. Entrance is

by professional recommendation or examination results. The class is designed to enrich a student's basic writing skills.

Wr 111 WRITING AS THINKING: THE EFFECTIVE WRITER

4 hours credit. A course concentrating on expository writing, with an introduction to basic research methods. Technical and argumentative writing are also introduced in the course.

Note: The following courses carry Wr 111 as a minimum prerequisite to admission:

Wr 220 THE VOCATIONAL PEN: BUSINESS WRITING

4 hours. Offered 1981-82. A course in basic business English: resumé writing, letters of application, business letters, research reporting, and related written communication.

Wr 230 THE FOURTH ESTATE: AN INTRODUCTION TO JOURNALISM

4 hours. Offered 1980-81. A course designed to give fundamental knowledge and experience in reporting, writing and editing the news: writing features and editorials, studying the organization and techniques of newspapers and other media of mass communication. Prerequisite: Permission of instructor.

Wr 235/435 THE PERSONAL PEN: BIOGRAPHY AND AUTOBIOGRAPHY

4 hours. Offered 1980-81. An approach to writing using personal experience to explore events, places, and people through recollections, interviews, diaries, journals, and the personal essay. Selected writers, ancient to contemporary, will be studied as representative models of form within the genre.

Wr 257/475 FIELD EXPERIENCE

1-15 hours may be earned at the discretion of the advisor and division chairman, *four* hours of which may apply to the Writing/Literature major. Students must have instructor's permission to register for the course.

Wr 285/485 SELECTED TOPICS

4 hours. A variety of topics may be offered that reflect the writing interests of faculty, visiting writers, or students not covered in the regular curriculum offerings.

Wr 295/495 INDEPENDENT STUDY

1-4 hours may be earned at the discretion of the advisor and division chairman.

Wr 310 POLISHED PROSE: ADVANCED WRITING TECHNIQUES

4 hours. Offered 1980-81. A course in stylistic analysis designed to sharpen writing skills and analytic abilities. While expository writing provides a major focus, the course also includes narrative, descriptive, and persuasive writing. Implementing elements of rhetorical criticism, the course is directed at the "why's" of writing skill.

Wr 320 THE COMMITTED PEN: WRITING FOR CHRISTIAN PUBLICATION

4 hours. Offered 1980-81. A workshop approach to the writing of nonfiction articles and other shorter forms for Christian periodicals. Student-produced materials will be submitted to various magazines as a part of the course expectations.

Wr 350 THE MIND'S EYE: CREATIVE WRITING

4 hours. Offered 1981-82. A workshop approach to the writing of imaginative literature including poetry, fiction, and drama. Students will write and prepare for publication original works in two areas.

Wr 490 WRITE OF PASSAGE: SENIOR WRITING PROJECT

4 hours. A course designed to serve as a capstone to the Writing/Literature major through development of a significant student writing project and directed readings.

DIVISION OF NATURAL SCIENCE

Basic objectives of the division are:

1. To provide appropriate training and background for careers in science and related areas.
2. To build scientific literacy as a part of a liberal education.
3. To provide a basis for continued studies in environmental science, medicine, dentistry, medical technology, science education, and home economics.
4. To provide a greater appreciation of the Creator and His creation.

Majors Offered

The division offers subject majors in biology, chemistry, home economics, and mathematics. It offers secondary teaching majors and minors in biology, integrated science, and mathematics (see the Education Division for description of the teaching programs).

In addition to the majors listed in the chapter, "The Academic Program," the Division of Natural Science offers a joint degree Medical Technology program with Good Samaritan Hospital in Portland.

Interdisciplinary Majors

A number of interdisciplinary options are available and encouraged by this division. Examples might be science plus business, or home economics plus sociology, etc. A student may propose his own option in counsel with members of the division.

Computer Facilities

The computing facility centers around a Digital Equipment Corporation PDP 11/34 Time-Sharing System. The system consists of a 256 MOS memory, a dual 28 MB disk drive, compilers to run jobs in BASIC-PLUS, WATFOR, FORTRAN IV, MACRO assembly language, and WATBOL (an instructional version of COBOL), plus a variety of I/O devices.

BIOLOGY (B.S. Degree)

Major Requirements

Fifty-one term hours in biology are required including Bi 101, 102, 103 General Biology and at least thirty-nine hours of upper division biology courses to include two courses in botany, two courses in zoology, one field course, one experimental laboratory course, and Bi

491, 492, 493 Senior Seminar. In the general education program, eight hours of Ch 111, 112 General Chemistry are required under cultural legacy, and eight hours of Ch 231, 232 Organic Chemistry are required under symbolics. Ch 210 Quantitative Chemistry or Ch 233 Organic Chemistry is also required. In addition, four hours of Mth 195 (College Algebra) are required. Each biology major is required to prepare a research thesis during his senior year, which must report independent research.

Bi 101, 102, 103 GENERAL BIOLOGY

4 hours each term. An introduction to the science of living things. Includes human anatomy and physiology, a study of the anatomy and physiology of higher plants, an introduction to the study of heredity, and a brief survey of the plant and animal kingdoms. Three lectures and one laboratory period per week.

Bi 300 DEVELOPMENTAL BIOLOGY

4 hours. Offered 1980-81. Cell and tissue differentiation studies as they apply to growth and development; physiological and molecular emphasis. Three lectures and one two-hour laboratory per week.

Bi 310 VERTEBRATE EMBRYOLOGY

4 hours. Offered 1981-82. A study of cleavage, organogenesis, and general development of typical vertebrates. Two lectures and two laboratory periods per week. Prerequisite: Bi 101, 102, 103.

Bi 311, 312 PLANT MORPHOLOGY

5 hours each term. Offered 1981-82. A survey of the plant kingdom emphasizing form, reproduction, development, and classification. Four lectures and one laboratory period per week.

Bi 320 HUMAN ANATOMY

5 hours. Offered 1980-81. A study in detail of the major systems of the human body. Three lectures and two laboratory periods per week. Prerequisite: Bi 101, 102, 103.

Bi 321, 322 COMPARATIVE VERTEBRATE ANATOMY

4 hours each term. Offered 1980-81. A comparative study of the members of the phylum Chordata. Two lectures and two laboratory periods per week. Prerequisite: Bi 101, 102, 103.

Bi 330 PHYSIOLOGY

4 hours. Functions of the human body, stressing tissues, organs, and organ systems. Two lectures and

two laboratory periods each week. Prerequisite: Bi 101, 102, 103.

Bi 340 PLANT PHYSIOLOGY

5 hours. Offered 1980-81. A study of plant function from the level of the organelle to that of the organ. Photosynthesis, respiration, water relations, growth and development, mineral nutrition, and other topics will be covered. Four lectures and one laboratory period per week. Prerequisite: Bi 101, 102, 103.

Bi 350 GENETICS

3 hours. Offered 1981-82. A study of the basic principles of inheritance. Suggested as a valuable elective for students in psychology, sociology, theology, or education. Three lectures per week. Prerequisite: Bi 101, 102, 103.

Bi 350L GENETICS LABORATORY

1 hour. Offered 1981-82. Optional in combination with Bi 350.

Bi 360 ECOLOGY

4 hours. Offered 1981-82. A study of the relationship of living organisms to their environment. Prerequisite: Bi 101, 102, 103.

Bi 370 GENERAL MICROBIOLOGY

5 hours. Offered 1981-82. A course in the structure, metabolism, classification, health aspects, and commercial applications of micro-organisms. Methods of microbiological investigation are emphasized. Three lectures and two laboratory periods per week.

Bi 380 ORNITHOLOGY

4 hours. Offered 1980-81. A study of bird structure, adaptations, migrations, identification, habits, and economic importance. Designed for students with a hobby interest in birds and for biology majors. Two lectures per week with laboratory and extensive field work. Prerequisite: Bi 101, 102, 103.

Bi 390 PLANTS, CULTURE, AND MAN

3 hours. Offered 1980-81. This course covers history and background of plant domestication, crop improvement, plant groups and uses, and folklore regarding plants and their uses. Prerequisite: Bi 103 or permission of instructor.

Bi 420 CELL BIOLOGY

4 hours. Offered 1980-81. Cell ultrastructure and organization, respiration, physiology of muscular contraction, photosynthesis, molecular biology, research methods, and molecular neurobiology are topics covered. Prerequisites: Bi 350, Ch 232.



Bi 430 EVOLUTION

3 hours. Offered 1981-82. A study of the theory of organic evolution as it relates to the taxonomic units of living organisms and a survey of the various schools of thought in the interpretation of evolution.

Bi 460 SYSTEMATIC BOTANY

4 hours. Offered 1981-82. Collection, identification, and classification with emphasis on the Angiosperms. Topics in experimental taxonomy, literature of taxonomy, systems and history of classification, and evolution of the Angiosperms are considered. Two lectures and two laboratory sessions per week and field work.

Bi 461 SYSTEMATIC BOTANY FIELD STUDY

2 hours. Offered 1981-82. Identical with the laboratory component of Bi 460 Systematic Biology. Involves field and laboratory work in plant identification. Prerequisite: consent of instructor.

Bi 485 SELECTED TOPICS

3-4 hours. A variety of topics may be offered reflecting special interests of faculty, visiting professors, or recent developments in biology. Prerequisite: Bi 101, 102, 103.

Bi 491, 492, 493 SENIOR SEMINAR

1 hour each term. Three hours are required of biology majors.

Bi 495 SPECIAL STUDY

1-4 hours. Specific instructional programs, laboratory research, or independent study as planned under advisement of the department for upper division students. A total of not more than six hours may be applied toward major.

CHEMISTRY (B.S. Degree)

Major Requirements

Fifty-one hours in chemistry to include Ch 111, 112, 113 General Chemistry, Ch 210 Quantitative Chemistry, Ch 231, 232, 233 Organic Chemistry, Ch 310 Laboratory Skills, Ch 410 Advanced Chemical Measurements, Ch 401, 402, 403 Physical Chemistry. In the general education program, eight hours of Ph 202, 203 General Physics are required under cultural legacy, and mathematics through Mth 301 Calculus is required, eight hours of which will meet the symbolics requirement.

GSc 103 FOUNDATIONS OF CHEMISTRY

4 hours. (See General Science 103)

Ch 111, 112, 113 GENERAL CHEMISTRY

4 hours each term. This course covers fundamental chemical principles, reactions, and modern theories. Special emphasis is given to the role of chemistry in environment, industry, and related sciences. Three class periods and one laboratory period each week. Prerequisite: High school chemistry, GSc 103, or math placement score.

Ch 210 QUANTITATIVE CHEMISTRY

5 hours. Introduces principles of quantitative chemistry, clinical, and general laboratory measurements. Includes classical gravimetric and volumetric procedures and an introduction to instrumental methods. Three lectures and two three-hour laboratory periods per week. Prerequisite: Ch 113.

Ch 231, 232 ORGANIC CHEMISTRY

4 hours each term. A study of principles, structure, bonding, reactions, and energy as related to carbon chemistry. The laboratory stresses materials, equipment, and skills that are involved in synthesis, purification, and identification of representative groups of organic compounds. Three lectures and one three-hour laboratory period per week. Prerequisite: Ch 113.

Ch 233 ORGANIC CHEMISTRY

3 hours. A continuation of 232 Organic Chemistry but with no laboratory.

Ch 310 LABORATORY SKILLS

5 hours. Offered 1981-82. This course emphasizes fundamental skills necessary in applied modern laboratories, as for example industrial testing, environmental and clinical laboratories. Glassworking techniques, elementary electronics, chemical instrumentation, interpreting and reporting of experimental data are covered. Three lectures and two three-hour laboratory periods per week. Prerequisite: Ch 210.

Ch 320 ADVANCED INORGANIC CHEMISTRY

3 hours. Offered 1980-81. Atomic structure, chemical bonding, periodic relationships between structure, reactivity, and physical properties of the elements. Preparation of the elements and applied chemistry are included. Prerequisite: Ch 113

Ch 340 BIOCHEMISTRY

4 hours. Offered 1981-82. An introduction to the chemistry of substances involved in life processes. The structures, reactions, and energy transformations of these compounds are considered. Laboratory involves a study of properties, purification, and identification of bio-organic compounds. Three lectures and one three-hour laboratory period per week. Prerequisite: Ch 232.

Ch 350 BASIC ELECTRONICS AND CIRCUITS

4 hours. Offered 1981-82. Identical with Ph 350.

Ch 401, 402, 403 PHYSICAL CHEMISTRY

3 hours each term. Offered 1980-81. An introduction to modern theoretical chemistry emphasizing thermodynamics, kinetics, and molecular structure. Two lectures and one recitation period per week. Prerequisite: Mth 123, Ph 203.

Ch 410 ADVANCED CHEMICAL MEASUREMENTS

5 hours. Offered 1980-81. Principles, methods, and techniques of modern physicochemical measurements. Literature search methods and report writing techniques are covered. Three lectures and two laboratory periods each week. Prerequisite: Ch 310 and Mth 210 or Mth 220.

Ch 430 ADVANCED ORGANIC CHEMISTRY

3 hours. Offered 1981-82. A study of organic reactions not normally covered in introductory courses. Synthetic utility and reaction mechanisms are emphasized. Prerequisite Ch 233.

Ch 475 FIELD EXPERIENCE

1-5 hours. Supervised experience with an off-campus industry or agency using applied chemistry. Prerequisite: Consent of advisor.

Ch 485 SELECTED TOPICS

1-4 hours. Scheduled as a regular class with topics chosen to fit special needs or interests of students, faculty, or visiting professors. Subjects such as qualitative organic chemistry, environmental chemistry, recent developments in chemistry are offered. Prerequisite Ch 223 and consent of instructor.

Ch 495 SPECIAL STUDY

1-3 hours. Specific instructional programs, laboratory research, or independent study as planned under advisement of the department for upper division students. A total of not more than six hours may be taken.

GENERAL SCIENCE

GSc 102 FOUNDATIONS OF PHYSICS

4 hours. A survey of some basic topics related to the field of physics such as motion, energy, sound, electricity, relativity. Emphasis on vocabulary and broad principles. Extensive mathematics background not required. Three lectures and one laboratory period per week.

GSc 103 FOUNDATIONS OF CHEMISTRY

4 hours. This course is designed to increase interest and awareness of science by using chemical topics. Vocabulary and broad principles are emphasized. Recommended also for students who need an introduction to chemistry prior to taking Ch 111 General Chemistry. Three lectures and one laboratory period each week.

GSc 110/310 ESSENTIALS OF GEOLOGY

4 hours. Fall 1980-81. A study of materials in the earth's crust, processes producing change in the earth's crust, and a review of the theories of geological history. Three lectures and one laboratory weekly.

GSc 120/320 AIR AND WATER ENVIRONMENT

4 hours. Winter 1980-81. A study of the composition of the atmosphere and hydrosphere, the energy processes that produce weather phenomena, patterns of air and ocean currents, and procedures for measuring and predicting weather. Three lectures and one laboratory period weekly.

GSc 130/330 ESSENTIALS OF ASTRONOMY

4 hours. Spring 1980-81. A study of the earth in space as a part of the solar system, planets, stars, deep space phenomena, and cosmology. Three lectures and one night laboratory weekly.

GSc 210 ENVIRONMENT AND MAN

3 hours. An introduction to man's environment including study of the scientific, economic, and social aspects of environmental issues. Topics of current interest will be covered including pollution, energy, natural resources, and population control.

GSc 370 ENVIRONMENTAL SCIENCE

3 hours. Offered 1980-81. A study of the effect of environment on man and man on the environment from physical, biological, and social view of human population and technology. Prerequisite: One year of college science. Identical with HE 370.

GSc 420 CREATION

3 hours. Offered 1981-82. An examination of scientific, archeological, and historical evidences related to origins and earth history from which a comparison of creation and evolutionary models is made. Prerequisite: Eight hours college level science or equivalent.

GSc 475 GEOLOGY FIELD TRIP

1-3 hours. Offered on demand.

GSc 485 SELECTED TOPICS

3 hours. A variety of topics may be offered, for example: history of science, philosophy of science, effects of technology, etc. Prerequisite: Upper division standing.

HOME ECONOMICS (B.S. Degree)

Major Requirements

A minimum of sixty-five term hours in home economics courses is required and must include HEc 111, 112 Foods, HEc 121, 122 Clothing Construction, HEc 200/300 Nutrition, HEc 230 Textiles, HEc 240 Home Management and Equipment, HEc 280 Marriage and the Family, HEc 290 Meal Management, HEc 310 Human Development, HEc 330 Housing and Home Planning, HEc 350 Interior Design, HEc 360 Consumer Buying, HEc 370 Flat Pattern and Draping or HEc 320 Tailoring, HEc 390 Resources and Techniques for Home Economists, HEc 430 Home Management House. Also required are eight hours of science, preferably chemistry, under cultural legacy. In addition, the following electives are recommended: HEc 260 Clothing Selection, HEc 320 Tailoring or HEc 370 Flat Pattern and Draping, HEc 380 Construction with Special Fabrics, HEc 475 Field Experience, HEc 485 Selected Topics, and HEc 495 Special Study.

Interdisciplinary Majors

Home Economics has two defined interdisciplinary majors:

1. Thirty-six hours in either clothing or foods, plus eighteen hours in business and eighteen hours in economics.
2. Thirty-six hours in general home economics, plus eighteen hours in social services and nine hours each in psychology and business.

HEc 111 FOODS

4 hours. A beginning course in foods emphasizing cooking principles in the areas of food preservation,

vegetables, fruits, meat, and meat substitutes. Two lectures and two laboratory periods per week.

HEc 112 FOODS

4 hours. The second course in foods. Food topics to be emphasized include cereals, breads, other baked foods, and frozen desserts. Two lectures and two laboratory periods per week.

HEc 121 CLOTHING CONSTRUCTION

4 hours. Designed for helping the beginning student to learn basic steps in sewing and for leading the advanced student into a more intensified study of clothing construction techniques. Includes the study of pattern and fabric selection and coordination and use of the sewing machine and equipment; emphasis on important construction techniques and pressing procedures.

HEc 122 CLOTHING CONSTRUCTION

4 hours. A continuation of HEc 121. Designed for further development and broadening of construction skills. Includes an emphasis on fitting patterns and correcting fitting problems in garments as well as the study and implementation of special couture and decorative touches in clothing. Prerequisite HEc 121 or instructor's permission.

HEc 200/300 NUTRITION

4 hours. The relation of food to proper nutrition and the factors that influence its nutritive values. Identical to HE 300.

HEc 230 TEXTILES

4 hours. Offered 1981-82. A study of textiles from the perspective of the consumer, emphasizing processing, uses, fibers, fabrics, and finishes.

HEc 240 HOME MANAGEMENT AND EQUIPMENT

4 hours. Offered 1981-82. A study of decision making in relation to attaining desired values, goals, and standards for the family and the individual in the home. Use of resources such as time, energy, money, and mental and spiritual resources is examined. Includes a unit on use and care of household appliances and equipment.

HEc 260 CLOTHING SELECTION

4 hours. Offered 1981-82. Artistic and economic factors in the selection of clothing for the individual and the family.

HEc 280 MARRIAGE AND THE FAMILY

4 hours. Identical with Soc 280.

HEc 290 MEAL PLANNING

4 hours. Includes a study of food buying, menu making, meal preparation, service, and management decisions. Prerequisite: HEc 111, 112 or instructor's permission.

HEc 310 HUMAN DEVELOPMENT

4 hours. Identical with Psy 310 Human Development. Prerequisite: Psy 201.

HEc 320 TAILORING

4 hours. Offered 1980-81. Emphasis on hand tailoring dresses, suits, and coats. Prerequisite: HEc 121, 122.

HEc 330 HOUSING AND HOME PLANNING

4 hours. Offered 1981-82. Housing trends, site selection, planning and construction of housing will be emphasized.

HEc 350 INTERIOR DESIGN

4 hours. Offered 1981-82. Principles of furnishing and decorating a home. A study of line and design, including historical furniture.

HEc 360 CONSUMER BUYING

4 hours. Offered 1980-81. An in-depth study of financial decision making will be considered along with the public and private financial agencies available; problems of the consumer and the state and federal laws relating to the consumer.

HEc 370 FLAT PATTERN AND DRAPING

4 hours. Offered 1981-82. Pattern design, fitting, draping, and clothing construction with advanced techniques will be emphasized. Special easily draped fabrics, plus a half-size costume representing one of the periods of history, will be part of the class projects. Prerequisites: HEc 121, 122, HEc 260.

HEc 380 CONSTRUCTION WITH SPECIAL FABRICS

4 hours. Offered 1980-81. Techniques for special fabrics that have specific structural characteristics. Includes emphasis on knits, lingerie, and a variety of other special fabrics. Prerequisites: HEc 121, 122.

HEc 390 TECHNIQUES AND RESOURCES FOR THE HOME ECONOMIST

4 hours. Offered 1980-81. A preparatory course for those doing internships and/or those interested in a business-oriented career. The emphasis will be on careers in home economics, planning and giving demonstrations, recipe development, writing behavioral objectives that are measurable, and building resource



files. Prerequisites: HEc 111, 112, 290, 121, 122, or permission of the instructor.

HEC 430 HOME MANAGEMENT HOUSE

5 hours. Offered 1980-81. Principles underlying decision making and management of a home are put into practice during residence in the Home Management House or another living situation. Includes some class work and study of social and economics problems found in the home. Prerequisite: HEc 240 or permission of the instructor.

HEC 475 FIELD EXPERIENCE

1-4 hours. Supervised experience with an off-campus industry, business, or institution. Prerequisites: Upper division standing, HEc 390, and consent of advisor.

HEC 485 SELECTED TOPICS

1-4 hours. A variety of topics may be offered reflecting the special interest of students and faculty. Prerequisite: Upper division standing in home economics.

HEC 495 SPECIAL STUDY

1-4 hours. Special research by permission of instructor.

MATHEMATICS (B.S. Degree)

Major Requirements

Forty-eight hours in mathematics courses, at least twenty-eight of which must be upper division, including Mth 301, Mth 310, and Mth 321. In addition, Ph 202, 203 must be completed and will also fulfill the general education requirement in cultural legacy.

GE 100 CRITICAL THINKING AND DECISION MAKING

4 hours. A study of critical and creative thinking, including the role of decision making in society and everyday life, ways to reach valid conclusions, fallacies in thinking, and basic procedures in problem solving and decision making. Examples will be taken from such areas as personal decisions, news media, and mathematics.

Mth 95/195 INDIVIDUALIZED MATHEMATICS

1-4 hours each term. Individually designed mathematical training to meet the needs and goals of any individual student. The student should consult with the mathematics department for proper placement prior to enrolling. Topics include Mth 95 Basic Math, Mth 95 Beginning Algebra, Mth 195 Intermediate Algebra, Mth 195 College Algebra, Mth 195

Trigonometry, and Mth 195 Analytic Geometry. Mth 95 does not apply for college credit.

Mth 120 INTRODUCTION TO COMPUTERS

4 hours. An introductory course into the study of computers and applications, with an emphasis on the fundamental concepts of computers. Topics covered include history of computers, number systems for computers, computer hardware and software, problem analysis, survey of programming languages, and the computer's place in society.

Mth 201, 202, 203, 301 CALCULUS

4 hours each term. A study of differential and integral calculus. Open to freshmen with a sufficient high school mathematics background and satisfactory scores on a placement test, or successful completion of Mth 195.

Mth 210 BASIC PROGRAMMING

4 hours. An introduction to coding and programming, using the language BASIC. Designed for students in any major field of study (such as business, social science, and natural science) who wish to learn the rudiments of computer programming in a simple language.

Mth 211, 212, 213 MATHEMATICS FOR ELEMENTARY TEACHERS

4 hours each term. A study of algebraic and arithmetic structures of mathematics, and the methods by which they are taught in the elementary grades. Includes number bases, group and set theory, module systems, mathematical proof, functions, and basic geometric concepts. Coordinated field experience in the schools each term allows immediate application of theories of mathematics studies in the classroom situation. Does not apply toward a mathematics major.

Mth 220 FORTRAN PROGRAMMING

4 hours. Coding and programming using the language FORTRAN. Designed for students interested in solving scientific and engineering problems on the computer. Prerequisite: Intermediate Algebra, Trigonometry, and Mth 210 or consent of instructor.

Mth 240 STATISTICAL PROCEDURES

4 hours. Identical with Psy 340.

Mth 285 SELECTED TOPICS IN COMPUTER SCIENCE

1-4 hours. A class designed to introduce various areas of computer science to the interested student. Topics may include: COBOL programming, assembler

language programming, theory of compilers, computer systems, and others.

Mth 301 CALCULUS IV

See sequence description under Mth 201.

Mth 310 DIFFERENTIAL EQUATIONS

4 hours. A study of the theory, methods of solution, and applications of ordinary differential equations. Methods include series solutions and LaPlace transforms. Prerequisite: Mth 301.

Mth 320 LINEAR ALGEBRA

4 hours. A study of determinants, matrices and their transformations, vectors, and vector spaces. Prerequisite: Mth 310.

Mth 330 PROBABILITY

4 hours. Offered 1980-81. A study of sample spaces, combinatorial methods, discrete and continuous distributions, moment-generating functions, and the central limit theorem. Prerequisite: Mth 301.

Mth 340 HISTORY OF MATHEMATICS

4 hours. Offered 1980-81. A survey of the growth of mathematical thought from the earliest number concepts through development of the calculus, with an emphasis placed on the study of historically important problems and procedures of mathematics. Prerequisite: Mth 203.

Mth 400 NUMERICAL ANALYSIS

4 hours. Offered 1980-81. A study of numerical solutions of nonlinear equations, systems of linear equations, polynomial approximations, integration, and differential equations. Prerequisites: Mth 220, Mth 301.

Mth 410 ALGEBRAIC STRUCTURES

4 hours. Offered 1981-82. A study of groups, rings, integral domains, fields, and algebraic number systems. Prerequisite: Mth 203.

Mth 420 MODERN GEOMETRY

4 hours. Offered 1981-82. A rigorous study of Euclidean geometry and an introduction to non-Euclidean geometries. Prerequisite: Mth 301.

Mth 430 APPLIED ANALYSIS

4 hours. Offered 1981-82. A study of several important topics used by scientists and applied mathematicians. Topics include vector analysis, partial differential equations, boundary value problems, and the calculus of functions of a complex variable. Prerequisite: Mth 310.

Mth 485 SELECTED TOPICS

1-4 hours. A class with topics in mathematics chosen to fit special needs or interests of students, faculty, or visiting professors. Prerequisite: Mth 301.

Mth 495 SPECIAL STUDY

1-4 hours. Independent study of mathematical topics outside the regular offerings. Topics include advanced calculus, mathematical statistics, topology, and others. For upper division majors only, by permission.

INDEPENDENT STUDY COURSES FOR TEACHERS

(See Index) are described in a separate brochure but are listed under Mth 485, 495 as follows:

Mth 485a BUILDING THE UNFINISHED CURRICULUM (Grades 1-3) 4 hours.

Mth 485b MEASUREMENT CONCEPTS USING METRIC UNITS (Grades 3-9) 4 hours.

Mth 495a MATHEMATICAL IDEAS AND APPLICATIONS FOR TEACHERS 4 hours.

PHYSICS

Ph 201, 202, 203 GENERAL PHYSICS

4 hours each term. Classical mechanics, electricity and magnetism, light, and modern physics are presented on a non-calculus level. Supplementary material using the calculus is provided for those students with adequate mathematical preparation. Applications are made to a variety of practical situations. Three lectures and one laboratory weekly. Prerequisite: intermediate algebra and trigonometry.

Ph 350 BASIC ELECTRONICS AND CIRCUITS

4 hours. Offered 1981-82. Electrical principles of elementary circuits and components including power supplies, oscillators, amplifiers, servo mechanisms, solid state devices, and instrumentation. Applications to physical, chemical, and biological laboratory equipment included. Three lectures and one laboratory period per week. Prerequisite: Ph 203.

Ph 485 SELECTED TOPICS

3-4 hours. Classes organized to meet specific interests of students and to utilize guest lecturers as available.

Ph 495 SPECIAL STUDY

1-4 hours. Instructional programs to meet specific objectives of individual students as approved by the division chairman.

DIVISION OF RELIGION

Basic objectives of the division are:

1. To give every student opportunity for systematic Bible study and Christian interpretation through required and elective courses.
2. To provide preprofessional studies basic to pastoral, evangelistic, educational, and missionary ministry of the Christian faith.
3. To provide a fund of biblical knowledge and consistent teaching methodology for those who plan to serve as Christian education directors, Sunday school teachers, youth or adult leaders, and social workers.
4. To enable students through a study of philosophy to participate in formal thinking about problems of nature, knowledge, and value with the aim of increasing awareness of the force of ideas in the world.

RELIGION (B.A. Degree)

Major Requirements

A major in religion requires the completion of sixty hours elected from the four fields of courses offered in the division, plus communication arts, distributed as follows: a minimum of twelve hours in Bible, eight hours in Christian ministries, twelve hours in religion, and eight hours in philosophy. A minimum of twenty-four hours shall be from upper division courses. All religion majors are required to include CM 110 Essentials of Christian Education, R 380 Christian Beliefs (or R 403 Christianity in the Modern World), one course in communication arts, four or five hours, and to complete the requirements for a Bachelor of Arts degree.

CHRISTIAN MINISTRIES (B.A. Degree)

Major Requirements

This major specifies the following: twenty-four hours in Christian ministries including CM 110; at least two of the following courses: CM 300, 330, 340; and ten hours of CM electives. Required supporting areas are sixteen hours of Bible beyond the general education requirement; four hours philosophy (Phi 210 or 230); four hours CA with homiletics, CA 110, 111, or 221 sug-

gested; and four to twelve hours internship. Total hours: sixty. Students taking this major will complete the requirements for the Bachelor of Arts degree.

Interdisciplinary Majors

An interdisciplinary major may be elected from the following fields: religion and music or religion and physical education; Christian ministries and music or Christian ministries and physical education. (Similar patterns may be approved by the two primary division chairmen and the registrar.) A minimum of seventy-two hours is required for the major and must be distributed as follows: a minimum of thirty-six hours in religion or Christian ministries; an additional eighteen hours in either music or physical education, and nine hours in two of the following fields: art, education, psychology, science, communication arts, drama, sociology, business, Spanish, political science, and music (for religion and Christian ministries-physical education majors) or physical education (for religion and Christian ministries-music majors). A student may elect one eighteen-hour block rather than two nine-hour blocks.

Students electing one of the interdisciplinary majors described above will consult with advisors in the Division of Religion for specific courses recommended in each of the four fields in the division. One course in communication arts, four or five hours, must be elected and may be counted with the thirty-six-hour major requirement. Those electing an interdisciplinary major in the Division of Religion will complete the requirements for a Bachelor of Arts degree. For the specific requirements in music or physical education, see the appropriate section of the catalog.

BIBLE

GE 101, 102, 103 LITERATURE OF THE BIBLE

3 hours each term. A survey of the Bible using selected books and portions. The major religious themes and their literary forms will be studied in historic context with attention given to the tools for biblical study useful in handling the problems of authorship, text, and interpretation.

B 201, 202, 203 SECOND-YEAR NEW TESTAMENT GREEK

4 hours each term. Offered 1981-82. Identical with Gr 201, 202, 203.

B 240 OLD TESTAMENT POETRY

3 hours. A study of the poetical books: Job, Psalms, Proverbs, Ecclesiastes, and the Song of Solomon. Em-

phasis will be placed on the great themes of these books as well as upon the forms of poetry, drama, and wisdom literature. Reference will be made to the Apocrypha.

B 260 LIFE OF CHRIST

3 hours. A study of the life and teaching of Jesus Christ, based on the synoptic writers, Matthew, Mark, and Luke.

B 270 THE WRITINGS OF JOHN

3 hours. A study of the meaning of belief in Jesus Christ, the Son of God, as depicted in Johannine literature: the Gospel, letters, and the Revelation.

B 301, 302, 303 SECOND-YEAR NEW TESTAMENT GREEK

4 hours each term. Offered 1981-82. Identical with B 201, 202, 203 and Gr 201, 202, 203, but upper division.

B 311, 312 OLD TESTAMENT HISTORY*

4 hours each term. Offered 1981-82. A study of the text of the historical books of the Old Testament. B 311 includes Genesis through Joshua; B 312 includes Judges through Esther. B 311 is not prerequisite to B 312.

B 320 EARLY PROPHETS*

4 hours. Offered 1980-81. A study of the rise of the prophetic movement in nonwriting Old Testament prophets, with major emphasis given to the literature and spiritual themes of Jonah, Joel, Amos, Hosea, Micah, Isaiah, Nahum, and Zephaniah.

B 330 LATER PROPHETS*

4 hours. Offered 1981-82. A study of the messages and themes of the later prophets, Habakkuk, Jeremiah, Ezekiel, Daniel, Obadiah, Haggai, Zechariah, and Malachi.

B 400 THE ACTS*

3 hours. Offered 1980-81. A study of the New Testament church as shown in The Acts.

B 410 EARLY EPISTLES OF PAUL*

3 hours. Offered 1980-81. A study of the New Testament church as reflected in Galatians, Romans, and the Corinthian epistles. The epistles and their doctrines will be related to the evangelistic activities as reported in The Acts.

B 420 LATER EPISTLES OF PAUL*

3 hours. Offered 1980-81. A study of the New Testament church as reflected in Ephesians, Colossians, Philippians, Philemon, First and Second Timothy, and Titus. The epistles and their doctrines will be related to the evangelistic activities as reported in The Acts.

B 480 GENERAL EPISTLES*

3 hours. Offered 1980-81. A study of non-Pauline epistles of the New Testament: Hebrews, the epistles of James, Peter, and Jude.

B 485 SELECTED TOPICS

3-4 hours. Intended for advanced students.

B 495 SPECIAL STUDY

1-4 hours. Intended for advanced students.

CHRISTIAN MINISTRIES

CM 110 ESSENTIALS OF CHRISTIAN EDUCATION

3 hours. Fall term. A study of the scope of Christian education to acquaint the student with the overall nature of the educational task of the local church and related agencies.

CM 120 CHRISTIAN EVANGELISM

3 hours. Winter term. To develop a biblical philosophy of evangelism with special emphasis on a working acquaintance with literature and materials useful in evangelism. Study of how to present Christ effectively and intelligently in personal conversation.

CM 200/300 CHILDHOOD EDUCATION IN THE CHURCH

4 hours. Offered winter term 1980-81. A study of the nature and needs of children, methodology for children, and administration of children's work. This course includes firsthand observation and study of children at various levels of development.

CM 275 FIELD EXPERIENCE IN CHRISTIAN LEADERSHIP

2-5 hours. Supervised internship in the areas of Christian ministries with emphasis on learning by observation in the field.

CM 320 RELATIONAL BIBLE TEACHING

3 hours. Offered 1980-81. A study of the various methods and ideas of Bible teaching and the apparent value to groups and individuals both within and without the organized church.

*Courses marked with asterisks will satisfy upper-level general education religion requirements

CM 330 YOUTH LEADERSHIP

4 hours. Spring term. Consideration of motivation, guidance, and method in reference to youth, the Christian youth leader, developing leadership as well as leading.

CM 340 ADULT LEADERSHIP DYNAMICS

4 hours. Offered winter term 1981-82. A study of dynamic ways to teach adults, help them in family concerns, and assist them in their involvement in leadership roles.

CM 350 INSTRUCTIONAL MEDIA

2 hours. Identical with Ed 350.

CM 370 METHODS OF CAMPING

3 hours. Fall term. An overview of the field of camping including a study of the development and philosophy of camping. Types of camps, leadership recruitment and training, basic skills, and programming. Designed to equip students with a working knowledge of camps and retreats. A weekend camping trip is required.

CM 380 RECREATIONAL LEADERSHIP

3 hours. Offered 1981-82. Identical with PE 380.

CM 410 GUIDANCE AND COUNSELING

4 hours. Offered spring term 1980-81. Identical with Psy 410. Prerequisite: Psy 201.

CM 420 INTRODUCTION TO HOMILETICS

3 hours. Offered winter term 1980-81. A study of preaching in the life of the church. Preparation and delivery of student sermons with varying purposes and formats.

CM 440 CAMP ADMINISTRATION

3 hours. Offered spring term 1981-82. Designed to develop a basic understanding of campsite programming development and camp leadership at the administrative level. A weekend camping trip is required. Prerequisite: CM/PE 370 or permission of instructor.

CM 460 CONTEMPORARY TRENDS IN CHRISTIAN MINISTRY

3 hours. Offered fall term 1980-81. A study of ministry as essentially the task of all of God's people. The course will emphasize the emerging ministries and the techniques and skills essential to meet present opportunities and needs, including different types of worship.

CM 470 ORGANIZATION AND ADMINISTRATION OF CHRISTIAN MINISTRIES

3 hours. Offered fall term 1981-82. Designed to prepare students for church and Christian vocations in the functions of leadership, including goal and program development, organization, finance, personnel problems, and evaluation.

CM 475 FIELD EXPERIENCE IN CHRISTIAN LEADERSHIP

2-12 hours. Supervised internship in the areas of Christian ministries with emphasis on application of methods. Open to upper division students. Admission by application only.

CM 485 SELECTED TOPICS

1-3 hours. Various topics as announced that represent current faculty interests and competencies. Prerequisite: CM 110 or permission of instructor.

CM 495 INDIVIDUAL STUDY

1-4 hours. Permission of instructor.

PHILOSOPHY

Phi 100 CRITICAL THINKING AND DECISION MAKING

4 hours. A study of critical and creative thinking, including the role of decision making in society and everyday life, ways of reaching valid conclusions, fallacies in thinking, and basic procedures in problem solving and decision making.

Phi 210 INTRODUCTION TO PHILOSOPHY

4 hours. A study of elementary problems about knowledge, nature, and values.

Phi 230 ETHICS

4 hours. A survey of ethical theories by which men live, with special attention to Christian moral philosophy.

Phi 271, 272, 273 SOPHOMORE HONORS COLLOQUIUM

1 hour each term. Limited to sophomores in the Intensified Studies Program. Discussion of literary and philosophical themes from selected books.

Phi 360 SOCIAL THEORY

4 hours. Offered 1981-82. Identical with Soc 360.

Phi 371, 372, 373 JUNIOR HONORS COLLOQUIUM

1 hour. Limited to juniors in the Intensified Studies Program. A continuation of Phi 271, 272, 273.

Phl 380 HISTORY OF PHILOSOPHY

4 hours. Offered 1980-81. A study of the philosophical systems in their historical development, particularly in the western world.

Phl 485 SELECTED TOPICS

2 hours. A seminar focusing upon issues in metaphysics, epistemology, or axiology. Prerequisite: Phl 210 or permission of the instructor.

RELIGION**R 285 SELECTED TOPICS**

3 hours. Topics as announced that represent current faculty interests and competencies.

R 295 SPECIAL STUDY

1-5 hours. Individual study in areas of special interest to the student. Permission to register for the course is by application to the chairman of the division and permission of the instructor.

R 350 RESEARCH IN ARCHAEOLOGICAL AND BIBLICAL HISTORY*

4 hours. Offered on demand as field experience abroad, provided through accredited educational institutions sponsoring such programs in Palestine. Inquire at the Division of Religion.

R 360 HISTORY AND DOCTRINE OF FRIENDS

3 hours. A study of the Quaker movement in its historical, social, and religious setting. The distinguishing beliefs of the Friends Church will be studied from the important doctrinal record of its history. Contemporary trends will be examined.

R 365 QUAKER RESEARCH AND WRITING

2-4 hours. Offered 1981-82. Directed research aimed at providing for contemporary use articles and educational materials drawn from Friends historical documents. Permission of the instructor and R 360 are prerequisite.

R 370 HISTORY AND DOCTRINE OF _____ CHURCH* (Selected Churches)

3 hours. Offered on demand. Course description to be supplied and to be taught by denominational leaders.

R 380 CHRISTIAN BELIEFS*

4 hours. A study of the principles of Christianity and their significance for contemporary life.

R 401 CHRISTIANITY IN THE ANCIENT WORLD*

4 hours. Offered 1981-82. A study of the emergence of Christianity within the Graeco-Roman world. The course will lead up to A.D. 600.

R 402 CHRISTIANITY IN THE MEDIEVAL WORLD*

4 hours. Offered 1981-82. A study of the events and major ideas of the medieval and early modern period up to A.D. 1648. The significant role of Christianity in history will be noted.

R 403 CHRISTIANITY IN THE MODERN WORLD*

4 hours. Offered 1981-82. The spread and influence of Christianity from the religious wars to the present time. The impact of Christianity upon culture and of secularism upon the forms of Christianity will be noted.

R 430 MISSIONS AND OUTREACH

4 hours. Offered 1980-81. A study of the methods of Christian outreach utilized by the church both within a given culture and outside that culture in missionary endeavor.

R 440 COMPARATIVE RELIGIONS*

4 hours. Offered 1980-81. A comparative study between Christianity and other prominent religions of the world, such as Buddhism, Mohammedanism, and Hinduism. Attention is given also to modern religious cults.

R 485 SELECTED TOPICS

3 hours. Topics as announced that represent current faculty interests and competencies. Upper division standing is required for registration.

R 490 CONTEMPORARY RELIGIOUS THOUGHT

3 hours. A seminar in which contemporary theologians, philosophers, and religious thinkers are read and discussed.

R 495 SPECIAL STUDY

1-5 hours. Individual study in areas of special interest to the student. Permission to register for the course is by application to the chairman of the division and permission of the instructor.

*Courses marked with asterisks will satisfy upper-level general education religion requirements

DIVISION OF SOCIAL SCIENCE

Basic objectives of the division are:

1. To liberate serious students from the limiting provincialism of the here and now by introducing them to past leaders in many fields, to influential ideas and movements, and to varied worldwide cultures, old and new.
2. To provide the means for students to formulate their own critical standards by which they may evaluate and relate personally to current and recent societal changes and social structures.
3. To offer students varied divisional resources in theory, values, observation, and experience that will equip them to develop their own meaningful Christian philosophy of human behavior.
4. To offer students varied divisional resources in theory, values, observation, and experience that will enable them to develop their own meaningful Christian philosophy of public affairs.
5. To be careful to know and share the rich and changing opportunities for meaningful lives, careers, and professional studies that lie before majors in this division, including business, social work, corrections, counseling, seminary, the ministry, missions, teaching and scholarship, law, public administration, government service domestic and international, public relations, library work, archival and museum work, publishing, and many others.

Majors Offered

The division offers subject majors in the following fields: business and economics, history, psychology, sociology, and social service. It offers a secondary teaching major and minor in social studies (see the Division of Education for description of this program).

BUSINESS AND ECONOMICS (B.A. or B.S. Degree)

Major Requirements

Fifty-five hours in business and economics courses, at least thirty of which must be upper division, including Bus 110 Introduction to Business, Eco 201 Principles of Economics (Micro), Eco 202 Principles of Economics (Macro), Bus 271, 272 Principles of Accounting, Bus 280 Quantitative Business-Economics Methods, Bus 301, 302 Business Law, and at least six hours from the following courses: Bus 475, Bus 495, Eco 475, and/or Eco 495.

BUSINESS

Bus 110 INTRODUCTION TO BUSINESS

3 hours. An introductory survey of the business world, this course orients the beginning student to marketing, management, finance, institutions and personalities, decision making, and career selection. Prerequisite to all upper division business courses.

Bus 260 PERSONAL LAW

3 hours. Offered 1980-81. This course introduces students to the aspects of law that should be known in order to live in the modern world. It deals with the individual as a consumer, citizen, family member, home and car owner, and employee; and indicates situations that have legal implications and when to seek professional help.

Bus 271, 272 PRINCIPLES OF ACCOUNTING

4 hours each term. A basic course in accounting theory and practice. First term emphasizes financial accounting while second term emphasizes managerial accounting. Prerequisite: Sophomore standing or consent of instructor.

Bus 280 QUANTITATIVE BUSINESS—ECONOMICS METHODS

4 hours. Develops quantitative tools necessary to the understanding of business and economic theories that are vital to the creation and application of analyzed processes and decision-making operations.

Bus 301, 302 BUSINESS LAW

3 hours each term. Offered 1981-82. A course designed to acquaint the student with the legal aspects of common business transactions. It includes the law of contracts, agency, negotiable instruments, and other phases of private law. Prerequisite: Bus 110.

Bus 320 PERSONNEL MANAGEMENT

4 hours. Offered 1980-81. Philosophy behind obtaining and maintaining an effective work force. Procedures and theories followed in carrying out a modern personnel program. Emphasis is given to human relations. Prerequisite: Bus 110.

Bus 330 SMALL BUSINESS MANAGEMENT

4 hours. Management methods uniquely important to small business: planning, financing, marketing, legal and governmental controls, as well as other special management problems. Prerequisite: Bus 110.

Bus 340 MARKETING

4 hours. Offered 1980-81. An introduction to the basic problems and practices in marketing management. Emphasizes sales and advertising as they relate to marketing to give the student a broad and necessary understanding of marketing problems and functions of the various types of middlemen. Prerequisite: Bus 110.

Bus 350 INTRODUCTION TO TAXATION

4 hours. Offered 1981-82. The course will prepare the student to recognize the tax consequences of investments and business actions, and to handle his own tax returns. Prerequisite: Bus 110.

Bus 360 BUSINESS AND SOCIETY

4 hours. Offered 1981-82. A study of the ethical and social responsibilities of business people in a changing socioeconomic ethos, and of the relationships of business and industrial leaders to environmental issues. Prerequisite: Bus 110.

Bus 410 FINANCIAL MANAGEMENT

4 hours. Offered 1980-81. Roles and functions of financial manager in modern business firm; environment in which he operates; formulation of financial objectives and policies; financial analysis; forecasting, planning, and control; cash, credit, and asset management; acquisition of funds through short-term and long-term borrowing, leasing, stock issue, and by internal means; dividend policy and other aspects dealing with business owners. Prerequisites: Bus 110, Bus 271, 272.

Bus 430 INDUSTRIAL RELATIONS AND TRADE UNIONISM

4 hours. Offered 1981-82. Analysis of labor-management cooperation and conflicts historically and today; the institutionalized processes of collective bargaining; major labor laws and cases. Prerequisites: Bus 110, Bus 320.



Bus 475 FIELD EXPERIENCE

2-15 hours. Supervised on-the-job experiences in business or industry. For upper division business-economics majors only, by permission.

Bus 485 SELECTED TOPICS

2-4 hours. Occasional special courses chosen to fit the interests and needs of students and faculty. For the present biennium we expect to offer a three-term course, three hours each term, in Applied Small Business Management for 12 to 15 selected senior business-economics majors. Student teams will serve as consultants for actual business clients, making a full analysis of each business and presenting the report to the client, a government representative, and a faculty member. George Fox College has been approved by the United States Small Business Administration for this special program.

Bus 495 SPECIAL STUDY

1-4 hours. Independent study of subjects outside regular offerings of particular interest to business-economics majors. Regular reading reports and conferences are scheduled. For upper division business-economics majors only, by permission.

ECONOMICS

Eco 150 INTRODUCTION TO ECONOMICS

4 hours. An introductory survey of economic theories, institutions, and methods. Special emphasis is placed on pricing and allocation, comparative economic systems, employment, inflation, economic growth and the relationship of economics to other sciences.

Eco 201 PRINCIPLES OF ECONOMICS (MICRO)

4 hours. A study of microeconomic units (individual, household, firms, and markets) emphasizing supply and demand, market structure, decision making, and income distribution.

Eco 202 PRINCIPLES OF ECONOMICS (MACRO)

4 hours. A study of macroeconomics theory including topics such as unemployment, inflation, growth theory, and international trade. Prerequisite: Eco 201.

Eco 330 MANAGEMENT ECONOMICS

4 hours. Offered 1981-82. The application of economic theory and operations analysis to managerial problems. Special attention is given to mathematical optimization, linear programming, and game theory. Prerequisite: Eco 202.

Eco 350 INTERNATIONAL ECONOMICS

4 hours. Offered 1980-81. A study presenting economic problems on an international level and their relationship to government and business. Economic development is emphasized. Prerequisite: Eco 202.

Eco 401 INTERMEDIATE MICROECONOMICS

4 hours. Offered 1980-81. Advanced study of microeconomics including comparative static analysis, pricing in goods and factor markets, general equilibrium, and welfare economics. Prerequisite: Eco 202.

Eco 402 INTERMEDIATE MACROECONOMICS

4 hours. Offered 1981-82. Advanced study of macroeconomics including national income accounting, fiscal policy, public finance, monetary policy, and the role of the Federal Reserve. Prerequisite: Eco 202.

Eco 475 FIELD EXPERIENCE

2-15 hours. Supervised experiences in business, financial, and research firms, and government agencies. For upper division business-economics majors only, by permission.

Eco 485 SELECTED TOPICS

2-4 hours. Occasional special courses chosen to fit the interests and needs of students and faculty.

Eco 495 SPECIAL STUDY

1-4 hours. Subject matter and credit arranged for the needs of the individual student. For upper division business-economics majors only, by permission.

HISTORY (B.A.)

Major Requirements

Fifty-five hours, including Hst 101, 102 Civilizations; Hst 201, 202 United States; thirty-five upper division hours in history including Hst 490 History Seminar; three hours in political science.

Hst 101, 102 CIVILIZATIONS

4 hours each term. A study of major world civilizations from ancient to modern times, with particular attention to the origins and development of socio-cultural, economic, and political ideas and institutions that survive today in America, and to dramatically contrasting alternatives to such ideas and institutions.

Hst 201, 202 UNITED STATES

4 hours each term. A study of historical causes for the successes and failures of the United States from colonial times to the present.

Hst 330 PACIFIC NORTHWEST

4 hours. The exploration, settlement, and development of the Pacific Northwest as a region and as states in the general setting of American and western American history.

Hst 331, 332 ENGLAND

4 hours each term. Offered 1981-82. A history of England, Great Britain, the Empire, and the Commonwealth with emphasis upon constitutional and sociocultural change.

Hst 350 LATIN AMERICA

4 hours. Offered 1980-81. Latin American countries from colonial times to the present.

Hst 355 WOMEN IN HISTORY

3 hours. Offered 1981-82. Study of the special roles and contributions of women in varied societies. May be taken twice for credit, once with an American focus, once with a world focus.

Hst 360 MODERN RUSSIA

4 hours. Offered 1981-82. Nineteenth and twentieth century Russia, with emphasis on the U.S.S.R. since 1917.

Hst 370 FAR EAST

4 hours. Offered 1980-81. Political and cultural developments of the major Far Eastern countries.

Hst 381, 382 AMERICAN ECONOMIC AND SOCIAL HISTORY

4 hours each term. Offered 1981-82. Major economic trends and their social consequences from colonial times to the present, with emphasis on the growth of free enterprise, the tendency toward government subsidization of industry, major reform movements, and the impact of immigration upon the United States. First term to 1890; second term since 1890.

Hst 401 CHRISTIANITY IN THE ANCIENT WORLD

4 hours. Offered 1981-82. Identical with R 401.

Hst 402 CHRISTIANITY IN THE MEDIEVAL WORLD

4 hours. Offered 1981-82. Identical with R 402.

Hst 403 CHRISTIANITY IN THE MODERN WORLD.

4 hours. Offered 1981-82. Identical with R 403.

Hst 421, 422 MODERN EUROPE

4 hours each term. Offered 1981-82. European political, social, economic, and cultural developments from 1789 to the present, with emphasis on the causes of the

French and Russian Revolutions. First term to 1914; second term since 1914.

Hst 475 FIELD EXPERIENCE

2-15 hours. Supervised experiences in museums, historical societies, and government agencies. For upper division history majors only, by permission.

Hst 481, 482 AMERICAN THOUGHT AND CULTURE

4 hours each term. Offered 1980-81. Major cultural and intellectual themes from the Puritans through the present, including the Enlightenment, the Transcendentalists, Social Gospel, Pragmatism, literary culture, art and architecture, revivalism, theological trends, radicalism left and right, and related matters. First term to 1865; second term since 1865.

Hst 485 SELECTED TOPICS

4 hours. Occasional special courses scheduled to fit the interests of students and faculty, and the needs of a shifting society. Topics may include American constitutional development, American foreign relations, particular nations such as Germany, the continent of Africa, minorities in America or elsewhere, and others.

Hst 490 HISTORY SEMINAR

3 hours. Required of senior history majors, this course deals with methods of historical research and writing, and includes broad introductions to the major philosophies of history and to main currents in American historiography. A research paper based upon primary source materials is the main assignment of the course. A copy of each paper is to be deposited permanently with the Division of Social Science.

Hst 495 SPECIAL STUDY

1-4 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided, and regular reading reports and conferences are scheduled. For upper division history majors only, by permission.

POLITICAL SCIENCE

PSc 210 AMERICAN GOVERNMENT

3 hours. Offered 1980-81. The theory and practice of the Federal Government.

PSc 230 STATE AND LOCAL GOVERNMENT

4 hours. Offered 1980-81. The origins, nature, and forms of government on the state and local level. Special attention is given to the rising problems of urban government and regional planning.



PSc 260 INTRODUCTION TO LAW

3 hours. Offered 1981-82. A general study of law and the legal profession and their roles in society past and present.

PSc 285, 485 SELECTED TOPICS

1-4 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

PSc 320 CRIMINAL JUSTICE

4 hours. Offered 1981-82. A study of how criminal law operates, such as in the concept of punishment, role of the police, the role of the attorney, bail, trials, pleas, sentencing, and corrections. Prerequisite: PSc 260.

PSc 340 INTERNATIONAL RELATIONS

4 hours. Offered 1980-81. Introduction to the principles and study of interstate relations in the contemporary world. Special attention is given to the problem of sovereignty, the United Nations, and international law.

PSc 370 PEACE AND WAR

4 hours. Offered 1981-82. A study of attitudes and actions that cause conflict and those that prevent it, with emphasis on interpersonal as well as international peace; a study of pacifism, war protest, and nonviolent life-styles in the past and today. Identical with Soc 370.

PSc 475 FIELD EXPERIENCE

2-15 hours. Supervised experiences in varied government agencies. For upper division students only, by permission.

**PSYCHOLOGY
(B.A. or B.S. Degree)**

Major Requirements

Fifty-six hours in psychology courses including Psy 201 General Psychology, Psy 202 Psychology of Effective Behavior, Psy 340 Statistical Procedures, Psy 460 Systems and Theories of Psychology, Psy 490 Research Methods in Psychology. Courses taken for the major are not counted toward general education requirements. One year of a foreign language is strongly recommended for the B.A. degree.

Psy 201 GENERAL PSYCHOLOGY

4 hours. An introduction to the scientific study of human behavior. Major topics include biological bases

of behavior, human development, sensation, perception, thinking, learning, memory, emotion, motivation, personality, social interaction, and abnormal behavior. Prerequisite to all other psychology courses.

Psy 202 PSYCHOLOGY OF EFFECTIVE BEHAVIOR

4 hours. Application of psychological principles and theories to everyday problems and issues. Discussion will include such topics as stress management, personal and social conflict, positive mental health, and moral and spiritual value development. Prerequisite: Psy 201.

Psy 300 GROUP DYNAMICS

4 hours. Offered 1981-82. Identical with Soc 300 and SS 300. Prerequisite: Psy 201.

Psy 310 HUMAN DEVELOPMENT

4 hours. A study of physical, intellectual, personality, social, and moral development from the prenatal period to adolescence. Primary emphasis will be placed upon socialization processes. Identical with CM 310 and HEc 310. Prerequisite: Psy 201.

Psy 320 PSYCHOLOGICAL FOUNDATIONS OF EDUCATION

4 hours. Identical with Ed 320. Prerequisite: Psy 201.

Psy 340 STATISTICAL PROCEDURES

4 hours. Statistical procedures for the social sciences. Emphasis upon the development of a basic knowledge of the statistical tools available for the analysis of problems and issues in the social sciences. Prerequisites: Psy 201 and high school algebra or equivalent.

Psy 350 SOCIAL PSYCHOLOGY

4 hours. A study of the psychological processes of human interaction. Major topics to be covered include person perception, aggression, altruism, interpersonal attraction, attitudes and attitude change, prejudice, and group behavior. Prerequisites: Psy 201 and Soc 201.

Psy 400 PSYCHOLOGICAL TESTS AND MEASUREMENTS

4 hours. Offered 1981-82. A survey of the purposes, techniques, and basic assumptions in measurement of aptitudes, achievements, interests, intelligence, and personality. Some laboratory experiences in the administration, interpretation, and scoring of tests are provided. Prerequisites: Psy 201 and Psy 340, or permission of instructor.



Psy 410 GUIDANCE AND COUNSELING

4 hours. A study of purposes, principles, and techniques in guidance and counseling designed to offer assistance to teachers, ministers, social workers, and others who are responsible for individual and group advising. Identical with CM 410 and SS 410. Prerequisites: Psy 201 and Psy 202.

Psy 420 ABNORMAL PSYCHOLOGY

4 hours. Offered 1981-82. A study of the nature, causation (etiology), and treatment of the major types of behavioral disorders. Prerequisites: Psy 201, Psy 202.

Psy 430 PERSONALITY THEORIES

4 hours. Offered 1980-81. A survey of the major theories of personality: psychoanalytic theory, social-learning theory, factor analytic theory, humanistic theory, existential theory, and eclectic theories. Students will critically analyze similarities and differences in these different approaches to the nature, development, and function of human personality. Prerequisites: Psy 201, Psy 202.

Psy 460 SYSTEMS AND THEORIES OF PSYCHOLOGY

4 hours. Offered 1980-81. A seminar in which various schools of psychology, their origins, distinguishing characteristics, major contributions, theoretical positions, and contemporary issues are investigated. Required for psychology majors. Prerequisites: Psy 201, Psy 202, and twelve upper division hours in psychology.

Psy 475 FIELD EXPERIENCE

2-15 hours. Supervised experiences in mental health agencies and institutions. A maximum of twenty hours may be applied toward a psychology major; a maximum of ten hours may be applied toward a psychology-sociology major. For upper division majors only, by permission.

Psy 485 SELECTED TOPICS

1-4 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

Psy 490 RESEARCH METHODS IN PSYCHOLOGY

4 hours. An intermediate introduction to methods of psychological research. Students will receive direct experience with these methods by designing and conducting an individual research project. A fundamental preparation for students planning graduate work in psychology or related fields. Psychology-

sociology majors may choose either Psy 490 or Soc 490. Prerequisites: Psy 201, Psy 340. Recommended: Psy 400 Psychological Tests and Measurements.

Psy 495 SPECIAL STUDY

1-4 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided and regular reading reports and conferences are scheduled. For upper division psychology majors only, by permission.

SOCIOLOGY (B.A. or B.S. Degree)

Major Requirements

Fifty-six hours in sociology courses, including Soc 201 Principles of Sociology, Soc 202 Social Problems, Soc 340 Statistical Procedures, Soc 360 Sociological Theory; Soc 490 Senior Research Seminar. Courses taken for the major are not counted toward general education requirements. One year of foreign language is strongly recommended for the B.A. degree.

Soc 201 PRINCIPLES OF SOCIOLOGY

4 hours. An introduction to the social forces and processes in the evolving life of modern social organization and man's interaction with it.

Soc 202 SOCIAL PROBLEMS

4 hours. Introductory studies in current problems of society, such as poverty, race, crime, and family disorders. Prerequisite: Soc 201.

Soc 280 MARRIAGE AND THE FAMILY

4 hours. The origins, functions, problems, and adjustments in family life. Identical with HE 280 and HEc 280.

Soc 285/485 SELECTED TOPICS

1-4 hours. A seminar dealing with topics of special interest to students and current faculty. Prerequisite: Soc 201.

Soc 300 GROUP DYNAMICS

4 hours. Offered 1981-82. A study of principles and techniques involved in interaction of individuals within various groups. This course is designed to assist students who are preparing to work with groups in schools, churches, youth organizations, industry, and other types of groups. Identical to Psy 300 and SS 300. Prerequisite: Soc 201.

Soc 301 CULTURAL ANTHROPOLOGY

4 hours. Offered 1980-81. A study of living and recent societies of the world and their ways of life.

Soc 326 URBAN PROBLEMS

4 hours. Offered 1981-82. An interdisciplinary introduction to study of urban problems; a survey of the nature, scope, causes, effects, and alleviation of major social, political, and economic problems in the urban setting; and cities of the future and their problems. Prerequisite: Soc 201.

Soc 332 ETHNIC GROUPS AND SOCIAL MINORITIES

4 hours. Offered 1980-81. An interdisciplinary study of racial attitudes and their origins and an examination of contemporary racial problems and solutions. Prerequisite: Soc 201.

Soc 340 STATISTICAL PROCEDURES

4 hours. Identical with Psy 340. Prerequisite: Soc 201.

Soc 350 SOCIAL PSYCHOLOGY

4 hours. Offered 1981-82. Identical with Psy 350. Prerequisite: Soc 201.

Soc 360 SOCIOLOGICAL THEORY

4 hours. Offered 1981-82. A critical study of some of the major social theorists from Comte to the present. Development of sociological theory and its relations to research, formulation and criticism of theory. Prerequisite: Soc 201 or permission of instructor.

Soc 370 PEACE AND WAR

4 hours. Offered 1981-82. Identical with PSc 370. Prerequisite: Soc 201.

Soc 410 JUVENILE DELINQUENCY

4 hours. Offered 1980-81. A study of the causes and the nature of juvenile delinquency, the development of the juvenile court, probation, and other rehabilitative programs. Prerequisites: Soc 201 and Psy 310 or permission of instructor.

Soc 450 GERONTOLOGY

4 hours. A study of the aging process in its diverse social, psychological, and physiological dimensions. Particular attention is given to reduce misunderstanding and myths concerning aging, and to enhance understanding and appreciation of changing social roles and social settings of later life. Prerequisite: Soc 201.

Soc 475 FIELD EXPERIENCE

2-15 hours. Supervised experiences in social and governmental agencies. For upper division psychology-

sociology majors only, by permission. A maximum of ten hours may be applied toward a psychology-sociology major.

Soc 490 RESEARCH METHODS

4 hours. Exercise in hypothesis construction and testing, design of experiments, collection and analysis of social data, presentation of research results. Identical to SS 490. Prerequisite: Soc 201.

**SOCIAL SERVICE
(B.A. or B.S. Degree)****Major Requirements**

The social service major is intended to be a professional education program that builds upon, and is integrated with, a liberal arts base, which includes knowledge in the humanities and social, behavioral, and biological sciences. Therefore, students are required to complete the following courses (preferably prior to enrollment in upper division social work courses): Bi 101 General Biology, Psy 201 General Psychology, Psy 202 Psychology of Effective Behavior, Soc 201 Principles of Sociology, Soc 202 Social Problems, SS 180 Social Work Introduction and Observation, Psy 310 Human Development, Eco 150 Introduction to Economics, or Phi 210 Introduction to Philosophy. In addition to the above required courses, students must complete SS 391 Social Work Principles, SS 392 Social Welfare Institutions and Policy Development, SS 393 Social Work Methods, SS 475 Social Work Agency Experience (10 credit hours minimum), SS 480 Theory-Practice Integration Seminar, SS 490 Senior Research Seminar, SS electives—ten hours.

A social service major may be considered appropriate education for entry-level practice in adult and child welfare, juvenile, and adult probation and parole, social programs for older adults (institutional and community), a variety of youth and recreational positions (private, public, and church-related), and some types of counseling and treatment. Eventual positions could include supervision, administration, education, private practice, and program development.

SS 180 SOCIAL WORK INTRODUCTION AND OBSERVATION

4 hours. An introduction to the history and development of social work agencies and the social work profession. The course will include several visits to social



work practice settings and discussions with agency personnel as a means to explore social work career possibilities.

SS 275 EXPLORATORY AGENCY EXPERIENCE

2.5 hours. An opportunity to engage in a variety of activities within a social agency for the purpose of testing interest and aptitude.

SS 285/485 SELECTED TOPICS

4 hours. A seminar dealing with various topics of special interest to students and current faculty, such as Christianity and social action, child welfare services, problems of aging, and leisure and cultural services.

SS 300 GROUP DYNAMICS

4 hours. Offered 1981-82. Identical with Psy 300 and Soc 300. Prerequisites: Psy 201, Soc 201, Soc 202, SS 180.

SS 391 SOCIAL WORK PRINCIPLES

4 hours. An in-depth consideration of the principles and values that underlie the social work profession and social welfare. Comparison with student's personal values, Christian values, and society's values will be included. Prerequisites: Psy 201, Soc 201, Soc 202, SS 180.

SS 392 SOCIAL WELFARE INSTITUTIONS AND POLICY DEVELOPMENT

4 hours. A consideration of the public and private social welfare system, policies, and settings. Prerequisite: SS 391.

SS 393 METHODS OF SOCIAL WORK PRACTICE

4 hours. An overview of methods of practicing social work with individuals, groups, and communities with particular emphasis on expectations, goals, and strategies. Appropriate simulated and actual experiential learning will be used. Prerequisite: SS 392.

SS 410 GUIDANCE AND COUNSELING

4 hours. Identical to Psy 410. Prerequisites: Psy 201, Soc 201, Soc 202, SS 180.

SS 475 SOCIAL WORK AGENCY EXPERIENCE

5-15 hours. Supervised experiences in social service agencies and institutions. A minimum total of ten hours required for the social service major. For upper division social service majors only, by permission.

SS 480 THEORY-PRACTICE INTEGRATION SEMINAR

2 hours. A required component accompanying the first SS 475 field experience that combines presenta-

tions by the faculty instructor, readings, and discussion designed to help the student integrate previous course work and current field experience. For upper division social service majors only, by permission.

SS 490 SENIOR RESEARCH SEMINAR

4 hours. A required class for social service majors that includes basic instruction in social research methodology and the completion and presentation of a major research project. To be completed during the senior year. Identical to Soc 490. Prerequisites: Psy 201, Soc 201, Soc 202, SS 180.

SS 495 SPECIAL STUDY

1-4 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided and regular reading reports and conferences are scheduled. For upper division social service majors only, by permission.



DIRECTORIES



FACULTY

This register for 1979-80 is composed of all full-time people involved in instruction, certain administrative officers, and professional librarians. They are classified as professors, associate professors, assistant professors, and instructors, depending upon degree, seniority, tenure, and experience.

DAVID C. LE SHANA, *President*. B.A., Taylor University; M.A., Ball State University; Ph.D., University of Southern California. George Fox College 1967.

MICHAEL A. ALLEN, *Associate Professor of Sociology*. B.S., M.S., Illinois State University. George Fox College 1976.

RICHARD E. ALLEN, *Associate Professor of Physical Education*. B.S., Seattle Pacific University; M.S., University of Oregon. George Fox College 1969.

HAROLD A. ANKENY, *Director of Financial Aid and Institutional Research*. B.A., George Fox College; M.P.A., Portland State University. George Fox College 1968.

DAVID T. BARKER, *Assistant Professor of Economics*. B.S., New York State University; M.S., Ph.D., North Carolina State University. George Fox College 1979.

JANICE S. BARLOW, *Assistant Professor of Physical Education*. B.S., Taylor University; M.A., Ball State University. George Fox College 1979.

RALPH K. BEEBE, *Professor of History*. B.A., George Fox College; M.Ed., Linfield College; Ph.D., University of Oregon. George Fox College 1974.

AUDREY A. BURTON, *Reference Librarian*. B.S., University of Oregon; M.L.S., University of Portland. George Fox College 1974.

CYRIL F. CARR, *Instructor in Bible and Religion*. B.A., George Fox College; M.A., Trinity Evangelical Divinity School; Ph.D., Hebrew Union College-Jewish Institute of Religion (completion expected 1980). George Fox College 1979.

PAUL H. CHAMBERLAIN, *Assistant Professor of Chemistry*. B.A., Point Loma College; Ph.D., University of Nevada, Reno. George Fox College 1977.

SCOTT A. CHAMBERS, *Assistant Professor of Physics and Mathematics*. B.A., University of California at San Diego; Ph.D., Oregon State University. George Fox College 1977.

MAURICE G. CHANDLER, *Director of Development*. B.A., George Fox College. George Fox College 1966.

DONALD E. CHITTICK, *Professor of Chemistry, Chairman of the Division of Natural Science*. B.S., Willamette University; Ph.D., Oregon State University. George Fox College 1968-79; on leave 1979-80.

ROGER A. CRABBS, *Professor of Business*. B.A., State University of Iowa; M.B.A., D.B.A., George Washington University; M.C.L., Western Conservative Baptist Seminary. George Fox College 1979.

RONALD S. CRECELIUS, *Director of Religious Services, Assistant Professor of Christian Ministries*. A.B., Th.B., George Fox College; M.R.E., Western Evangelical Seminary; M.A., Pasadena College. George Fox College 1967.

RICHARD A. ENGNELL, *Assistant Professor of Communication Arts*. B.A., Biola College; M.A., Ph.D., University of California, Los Angeles. George Fox College 1978.

JERRY H. FRIESEN, *Professor of Music*. A.A., Reedley Junior College; B.M.Ed., M.M.Ed., Willamette University; D.M.A., University of Oregon. George Fox College 1966-70; 1971-78; 1979.

LEON K. GERIG, *Dean of Students*. B.A., B.S., Fort Wayne Bible College; M.S., Indiana University. George Fox College 1979.

JOSEPH E. GILMORE, *Assistant Professor of Music*. B.Mus., Friends University; M.Mus.Ed., Wichita State University. George Fox College 1970-74; 1978.

ROBERT D. GILMORE, *Associate Professor of Spanish, Director of Instructional Media*. B.A., Azusa Pacific College; B.D., California Baptist Theological Seminary; M.S.Ed., University of Southern California. George Fox College 1964-78; 1979.

MYRON D. GOLDSMITH, *Professor of Religion and Greek, Chairman of Division of Religion*. B.A., Friends University; B.D., Asbury Seminary; Ph.D., Boston University. George Fox College 1961-74; 1975.

MICHAEL P. GRAVES, *Associate Professor of Communication Arts, Chairman of the Division of Language Arts*. B.A., M.A., California State College at Los Angeles; Ph.D., University of Southern California. George Fox College 1972.

WILLIAM D. GREEN, *Dean of the College, Professor of Religion*. Th.B., Malone College; A.B., Taylor University; M.A., Case Western Reserve University; Ed.D., University of Tennessee. George Fox College 1972.

DENNIS B. HAGEN, *Professor of Music, Chairman of Division of Fine Arts.* B.A., Whitworth College; M.Mus.Ed., Indiana University; B.D., Western Evangelical Seminary; Ph.D., Indiana University. George Fox College 1964-79; on leave 1980.

HENRY C. HELSABECK, *Associate Professor of Mathematics.* B.A., Culver Stockton; M.A.'s, Ph.D., University of Missouri. George Fox College 1978.

EDWARD F. HIGGINS, *Assistant Professor of English.* B.A., LaVerne College; M.A., California State College at Fullerton. George Fox College 1971.

JULIA H. HOBBS, *Professor of Christian Ministries.* B.A., Hope College; M.Ed., University of Pittsburgh; B.D., M.Th., Winona Lake School of Theology; Ph.D., University of Pittsburgh. George Fox College 1975.

DAVID J. HOWARD, *Associate Professor of Music.* B.A., Simpson Bible College; B.A., M.A., San Francisco State College. George Fox College 1968.

HERMAN W. HUGHES, *Associate Professor of Education and Cochairman of Division of Education.* B.A., Whitworth College; M.A.T., Seattle University; Ph.D., University of Oregon. George Fox College 1976.

G. CLAUDINE KRATZBERG, *Associate Professor of Home Economics.* B.S., Wheaton College; M.H.E.C., Oregon State University. George Fox College 1976.

FRANK D. KYTE, *Instructor of Physical Education.* B.S., George Fox College; M.S.T., Portland State University. George Fox College 1979.

ROBERT E. LAUINGER, *Associate Professor of Music.* B.S. Portland State University; M.M., Indiana University; D.M.A., University of Arizona. George Fox College 1967-70; 71.

CURT E. LOEWEN, *Associate Professor of Field Education.* B.S., Ed.M., Ed.D., Oregon State University. George Fox College 1976.

JOEL O. LOKEN, *Associate Professor of Psychology.* B.Ed., University of Alberta; M.Ed., University of Calgary; Ph.D., University of Alberta. George Fox College 1979.

BRUCE G. LONGSTROTH, *Assistant Professor of Social Service.* B.A., George Fox College; M.S.W., University of Utah. George Fox College 1974.

GENETTE McNICHOLS, *Head Librarian.* B.A., Seattle Pacific University; M.L.S., University of Portland. George Fox College 1956.



DONALD J. MILLAGE, *Business Manager*. B.S., University of Oregon; CPA, Oregon, California, and New York. George Fox College 1972.

GLENN T. MORAN, *Assistant Professor of Math Education*. B.S., Colorado State University; M.A., University of Colorado; Ed.D., University of Northern Colorado. George Fox College 1979.

HECTOR J. MUINN, *Registrar and Professor of Chemistry*. B.S., Seattle Pacific University; M.S., Ph.D., Oregon State University. George Fox College 1958-62; 1966.

LEE NASH, *Professor of History, Chairman of Division of Social Science*. B.A., Cascade College; M.A., University of Washington; Ph.D., University of Oregon. George Fox College 1975.

G. DALE ORKNEY, *Professor of Biology, Acting Chairman of the Division of Natural Science*. B.A., Northwest Nazarene College; M.S., Ph.D., University of Idaho. George Fox College 1963-64; 1965.

ARTHUR O. ROBERTS, *Professor of Religion and Philosophy*. B.A., George Fox College; B.D., Nazarene Theological Seminary; Ph.D., Boston University. George Fox College 1953.

NEIL C. ROTH, *Professor of Psychology*. B.A., Cascade College; M.A., Walla Walla College; Ed.D., University of Idaho. George Fox College 1979.

SAMUEL E. SHERRILL, *Professor of English*. B.A., Seattle Pacific University; M.A., Portland State University; D.A., University of Oregon. George Fox College 1966-71; 1972.

PETER C. SNOW, *Associate Professor of Art*. B.S., Portland State University; M.A.T., Reed College; M.Ed., Oregon State University. George Fox College 1967.

ELVER H. VOTH, *Professor of Biology*. B.A., Th.B., Cascade College; M.A., Ph.D., Oregon State University. George Fox College 1964-77; 1978.

MARJORIE L. WEESNER, *Professor of Physical Education, Cochairman of Division of Education*. B.S., George Fox College; M.Ed., Linfield College; Ed.D., University of Oregon. George Fox College 1953-54; 1963.

SAMUEL J. WILLARD, *Associate Professor of Physical Education and Director of Athletics*. B.A., Northwest Nazarene College; M.A., Central Washington State College. George Fox College 1976.

FACULTY EMERITI

HARVEY J. CAMPBELL, *Registrar*. B.A., George Fox College; M.A., Colorado State College of Education. George Fox College 1958-77.

MACKEY W. HILL, *Professor of History*. B.A., University of California at Los Angeles; M.A., University of the Pacific. George Fox College 1949-74.

CECILIA C. MARTIN, *Professor of Language Arts*. B.A., M.A., Ph.D., University of Washington. George Fox College 1954-73.

PAUL M. MILLS, *Professor of Bible*. B.A., Th.B., Th.M., Northwest Nazarene College. George Fox College 1947-74.

GEORGE H. MOORE, *Professor of Psychology*. B.A., Adrian College; M.Ed., University of Oregon; Ph.D., University of Iowa. George Fox College 1943-47; 1961-75.

PART-TIME FACULTY

This register is composed of those teaching less than full time at George Fox College in the 1979-80 college year:

FLORA T. ALLEN, *Home Economics*. B.S., Seattle Pacific University; M.Ed., Linfield College. George Fox College 1969-73; 1979.

JAMES E. ANNALA, *Music*. B.M., Lewis and Clark College; M.M., University of Portland. George Fox College 1968.

ERNIE J. CATHCART, *Social Service*. B.A., M.S.W., University of Washington. George Fox College 1978.

JACK E. DAY, *Business*. J.D., Northwestern School of Law of Lewis and Clark College; M.B.A., University of Portland. George Fox College 1976.

GARY K. FAWVER, *Christian Ministries*. A.B., Wheaton College; M.Div., Th.M., Gordon-Conwell Theological Seminary. George Fox College 1974.

LON W. FENDALL, *History, Political Science*. B.A., George Fox College; M.A., Ph.D., University of Oregon. George Fox College 1971-74; 1978.

KAI-HWA GER, *History*. LLB, National Chengchi University, Taiwan; M.A., Ph.D., The University of New Mexico. George Fox College 1979.

DARLENE R. GRAVES, *Communication Arts*. B.A., Biola College; M.A., California State University at Los Angeles. George Fox College 1974.

MARY S. GREEN, *Mathematics*. A.B., Houghton College; M.N., Case Western Reserve University; Graduate Studies, University of Wyoming. George Fox College 1973.

CAROL A. JAQUITH, *General Education*. B.S., George Fox College; M.Ed., Oregon State University. George Fox College 1978.

MICK R. HOLSLAW, *Psychology*. B.A., University of California, Davis; M.A., Azusa Pacific College. George Fox College 1978.

DAVID D. KELLEY, *Accounting*. B.S., George Fox College; M.B.A., University of Portland. George Fox College 1979.

CHRIS L. LAUINGER, *Music*. B.M., University of Rochester; M.M., Doctoral Studies, Indiana University. George Fox College 1963-66; 1967-69; 1971.

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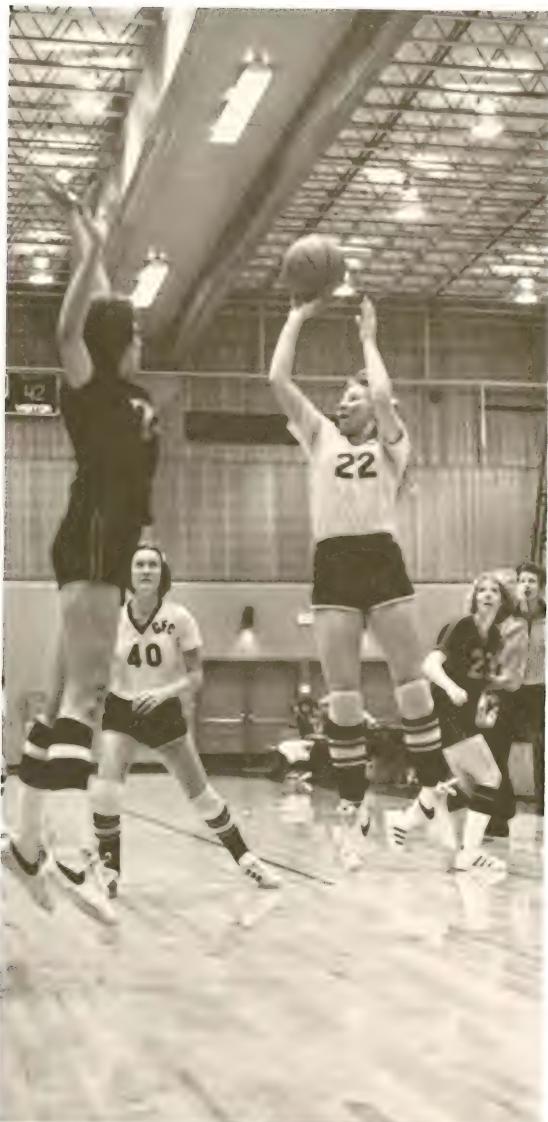
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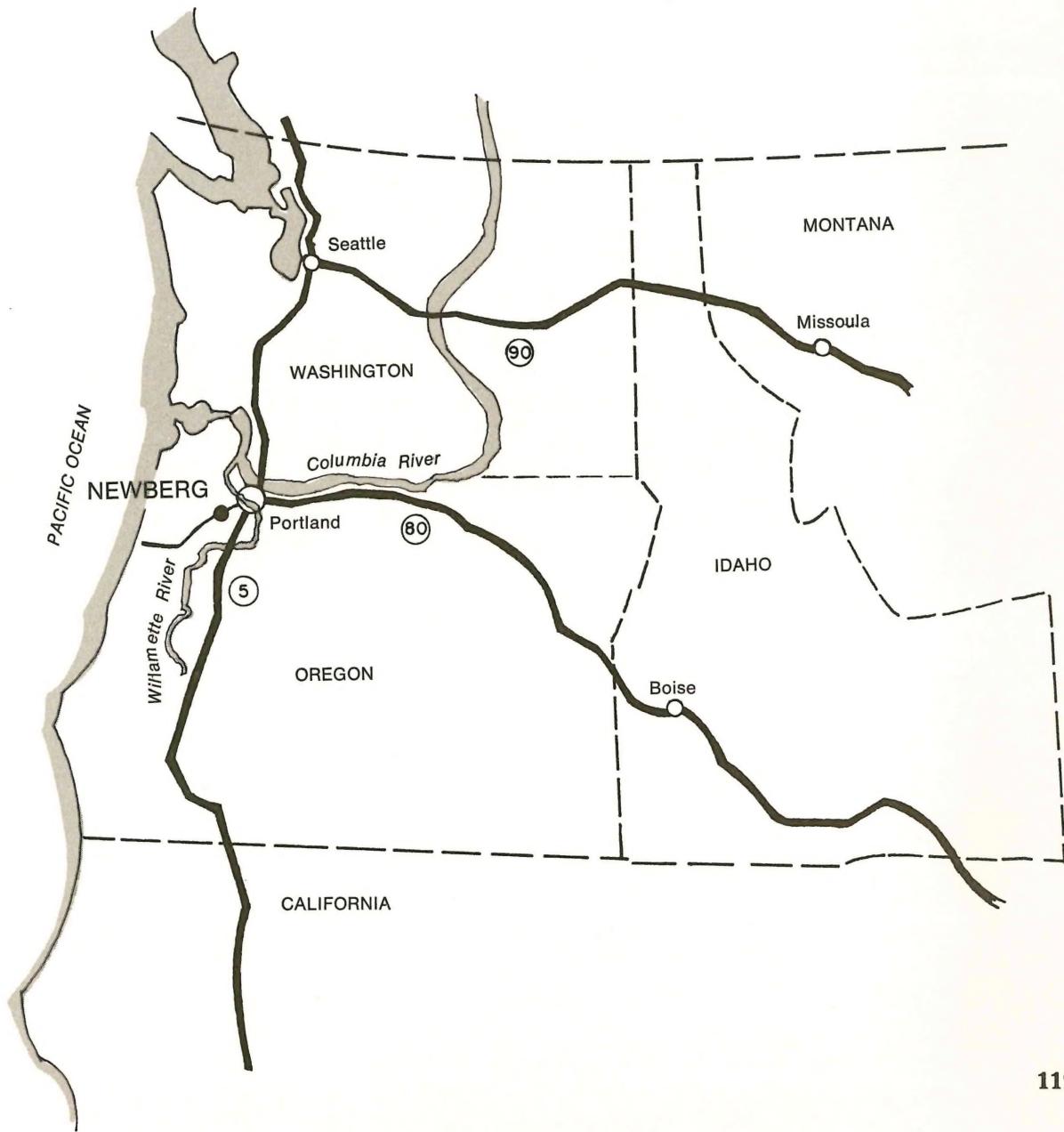
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GET IN TOUCH

The best way to assess the college is to visit. Introduce yourself by a letter or telephone call, and our admissions team will arrange for you to see our facilities and talk with members of our college community, with perhaps an overnight stay. Offices are open 8:00 a.m. to 5:00 p.m. on Monday through Friday, except for special days, and on Saturday by appointment.

Contact:
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Newberg, Oregon 97132
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NOTE: The catalog is issued in early fall for informational value to high school seniors. Thus it is issued one year prior to the dates covered. A "Class Schedule" is issued by the Registrar's Office prior to each college year.

THE COVER: Photographs are by Donald W. Edmundson of Portland, Oregon. They feature Tilikum, a George Fox College retreat center eight miles from campus, and recent campus construction.

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